PERSONNEL QUALIFICATIONS

Nathan Harres | Associate Principal

EDUCATION

- Knox College
  - Bachelor of Arts, Biology, 2006
- University of Illinois at Urbana-Champaign
  - Master of Architecture, Structures Option, 2010

PRACTICE AREAS

- Architectural Testing
- Historic Preservation
- Masonry Assessment
- Terra Cotta
- Repair and Rehabilitation

REGISTRATIONS

- Architect in IL and WI
- National Council of Architectural Registration Boards

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Association for Preservation Technology, Western Great Lakes Chapter
- Building Envelope Council
- Sealant, Waterproofing, and Restoration Institute

CONTACT

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EXPERIENCE

Since joining WJE in 2010, Nathan Harres has participated in a wide range of building envelope investigations and repair projects. He has been involved in several large-scale restoration projects and has performed numerous water leakage investigations, including projects involving difficult access (rappelling) techniques. Mr. Harres has performed testing of exterior cladding and roofing systems in accordance with ASTM test standards.

Mr. Harres has particular expertise in exterior cladding issues and has experience in the evaluation of a variety of materials, including brick masonry, terra cotta, and stone. He has participated in projects consisting of design and preparation of drawings and specifications for facade restoration of historic buildings and masonry rebuilding and repair. Mr. Harres has also been involved with the assessment and repair design of roofing and waterproofing systems, EIFS systems, and windows.

REPRESENTATIVE PROJECTS

Architectural Testing

- 333 East Westminster Avenue - Lake Forest, IL: Water leakage investigation and testing of roofing system utilizing infrared thermography
- Crystal Point Condominiums - Lake Forest, IL: Condition assessment of roofing system
- Deerpath House - Lake Forest, IL: Water leakage investigation and testing of masonry facade and windows; limited condition assessment of exterior cladding and roofing systems
- Regency House - Milwaukee, WI: Water leakage investigation and testing of masonry facade and windows

Historic Preservation

- Robert A. Young Federal Building - St. Louis, MO: Construction administration services for historic masonry restoration and blast window replacement
- SC Johnson Wax - Racine, WI: Condition assessment, repair design, and construction administration for restoration of Frank Lloyd Wright-designed administration building, carport, and research tower

Masonry Assessment

- Dix Dam Powerhouse - Harrodsburg, KY: Historic brick masonry facade investigation, construction documents, and construction phase services
- Missouri State Capitol - Jefferson City: Condition assessment of the stone at the dome and drum using difficult access (rappelling) techniques, repair design, and construction documents
- Railton Building - St. Louis, MO: Masonry facade assessment, repair design, and construction documents

Terra Cotta

- Dade County Courthouse - Miami, FL: Historic terra cotta facade investigation, construction documents, and construction phase services
- Randolph Tower - Chicago, IL: Historic terra cotta facade investigation, construction documents, and construction phase services
- Rialto Square Theatre - Joliet, IL: Historic terra cotta facade investigation, construction documents, and construction phase services

Repair and Rehabilitation

- Drummond Place Condos - Chicago, IL: Brick masonry assessment, parapet rebuild design, and construction documents
- Metropolitan Place Condominiums - Chicago, IL: Construction documents and construction phase services related to a brick masonry and DEFS-clad wall system
- Monterey Apartments - Waukesha, WI: Assessment of EIFS and brick masonry facade, recladding design, construction documents, and construction administration
- Timber Ridge Apartments - Oak Creek, WI: Investigation, structural analysis, and repair design of wood-framed exterior stairs