

### Rachel L. Will | Associate Principal



#### EDUCATION

- Iowa State University
  - Bachelor of Science, Civil Engineering, 2005
- School of the Art Institute of Chicago
  - Master of Science, Historic Preservation, 2007

#### PRACTICE AREAS

- Facade Assessment
- Repair and Rehabilitation Design
- Construction Observation Services
- Structural Evaluation
- Historic Preservation
- HABS and HAER Documentation

#### REGISTRATIONS

- Professional Engineer in IL

#### PROFESSIONAL AFFILIATIONS

- Association for Preservation Technology International
- Association for Preservation Technology - Western Great Lakes Chapter
- Landmarks Illinois Skyline Council

#### CONTACT

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#### EXPERIENCE

Rachel Will performs numerous building envelope evaluations and investigations of distressed and deteriorated conditions in existing buildings. She participates in various projects, including facade inspections, condition surveys, structural analyses, repair design, construction document preparation, and construction observation. Ms. Will's expertise includes documentation and investigation of building facades as well as preservation and repair of historic buildings. She has authored and coauthored the following papers: "Overpass Architecture: Defining the Landscape of the Mid-Century & Today," "The Sandstone Conundrum: A look at the use and repair of Lake Superior sandstone," "Facade Restoration: An Unconventional Approach," "Design of Facade Repairs for Historic Masonry Skyscrapers: When Stronger Isn't Always Better," and "A Primer on Terminology for Engineers Working on Heritage Conservation."

While attending the School of the Art Institute of Chicago, Ms. Will completed her master's thesis, which analyzed the effect of ten unique structural building codes on historic preservation projects.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment

- 2345 Lafayette Building - St. Louis, MO: Terra cotta, brick, and limestone investigation
- Hall of Justice - Los Angeles, CA: Terra cotta and stone facade investigation
- Milwaukee City Hall - WI: Terra cotta facade assessment and investigation
- Rose Blumkin Theatre - Omaha, NE: Terra cotta investigation and development of repair details
- Stockyards Bank - Chicago, IL: Brick and terra cotta facade assessment and investigation
- Minnesota State Capitol - St. Paul, MN: Stone facade investigation

##### Repair and Rehabilitation Design

- 11 South LaSalle Street - Chicago, IL: Terra cotta and brick facade restoration
- 1200 North Lake Shore Drive - Chicago, IL: Terra cotta brick and limestone facade and window restoration
- 1409 North Dearborn Residence - Chicago, IL: Sandstone facade restoration
- Randolph Tower - Chicago, IL: Terra cotta facade restoration
- Cosden Building, Tulsa, OK: Terra cotta facade repair, investigation, and strain relief testing
- Soo Line Building - Minneapolis, MN: Terra cotta and brick facade restoration
- Santa Fe Building - Chicago, IL: Terra cotta and brick facade repairs
- Chicago Theatre - Chicago, IL: Terra cotta and brick facade repairs
- Macy's - Multiple Locations, IL: Brick facade repairs

##### Historic Preservation

- Central High School - Little Rock, AR: Structural investigation for Historic Structure Report
- Gateway Arch - St. Louis, MO: Historic Structure Report and corrosion investigation
- Illinois State Capitol - Springfield, IL: Structural investigation for Historic Structure Report
- St. Elizabeths Hospital - Washington, D.C.: Structural investigation for Historic Structure Reports for sixty-nine buildings
- Eisenhower Executive Office Building - Washington, D.C.: Historic preservation specialist for design-build team

##### Structural Evaluation

- Chase Bank - Chicago, IL: Structural analysis of bowstring truss and repair documents
- St. Elizabeths Hospital - Washington, D.C.: Structural analysis for repair design