PERSONNEL QUALIFICATIONS

Hannah E. Rakowski | Senior Associate

EDUCATION

- The Pennsylvania State University
  - Bachelor of Architectural Engineering, Structures Option, 2016
  - Master of Architectural Engineering, Structures Option, 2016

PRACTICE AREAS

- Steel Structures
- Structural Analysis
- Parking Structures
- Facade Assessment
- Masonry Structures

REGISTRATIONS

- Professional Engineer in CT

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction
- American Society of Civil Engineers

CONTACT

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EXPERIENCE

Since joining WJE in 2016, Hannah Rakowski has worked on various projects, including condition assessments of masonry and concrete facades, rehabilitation of parking structures, and structural analysis of building components. Ms. Rakowski's well-rounded experience is rooted in the investigation of failures, design of repairs, and completion of construction administration services. Additionally, she has completed investigations and analyses involving masonry, steel, and concrete structures.

REPRESENTATIVE PROJECTS

Steel Structures

- Pierson Sage Parking Garage - New Haven, CT: Investigation, structural analysis, design of structural repairs, and construction period services for repair of steel-framed parking garage
- Connecticut Galvanizing - Glastonbury, CT: Investigation and design of structural repairs for steel-framed galvanizing facility

Structural Analysis

- St. Anne's Church - Waterbury, CT: Structural analysis and design of new steel frame steeple to attach to existing mass masonry belfry
- Pierson Sage Parking Garage - New Haven, CT: Analysis of existing lateral system, design of additional lateral bracing for steel-framed structure, and construction period services during installation of additional bracing
- Coleytown Middle School - Westport, CT: Analysis of existing structure to support the addition of sunshades above windows and new rooftop mechanical equipment
- Roof Diaphragm Analyses - Various Locations, U.S.: Analyses of various types of roof diaphragms for buildings having new roofs installed in compliance with International Existing Building Code requirements for reroofing projects

Parking Structures

- Bushnell Garage - Hartford, CT: Investigation, design of repairs, and construction period services for repairs in concrete parking garage
- Whitney Walk Garage - New Haven, CT: Analysis and design of steel and wood repairs to stabilize and strengthen an unreinforced masonry garage
- 99 Seaview Parking Deck - Port Washington, NY: Investigation, repair documents, and construction period services for repairs to structural slab with a bonded structural topping slab

Facade Assessment

- Dodds Hall - West Haven, CT: Investigation of displacement and cracking of masonry facade, analysis and design of repairs, and construction period services for installation of repairs
- Yale Field - West Haven, CT: Investigation, design of repairs, and construction period services of concrete facade using shotcrete

Masonry Structures

- Perry Memorial Arch - Bridgeport, CT: Investigation and structural analysis of 1918 granite arch utilizing graphical methods to evaluate cracking and displacement of masonry
- Old Stone Mill - Newport, RI: Graphical analysis of mid-17th century stone masonry structure
- Metropolitan Museum of Art - New York, NY: Analysis, design, and load testing of a special art exhibit built using post-tensioned terra cotta blocks to create a freestanding screen wall