



#### EDUCATION

- Rensselaer Polytechnic Institute
  - Bachelor of Science, Civil Engineering, 2014
  - Master of Engineering, Civil Engineering, 2014

#### PRACTICE AREAS

- Repair and Rehabilitation
- Facade Assessment
- Failure/Damage Investigations
- Structural Analysis

#### PROFESSIONAL AFFILIATIONS

- ASTM International

#### TECHNICAL COMMITTEES

- ASTM E06 - Performance of Buildings
- ASTM E06.55 - Performance of Building Enclosures

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2015, Linda Quartner has been involved in numerous projects involving the investigation and analysis of a variety of structures, including condominium and apartment buildings, commercial buildings, and parking garages. She has specific experience in facade condition surveys, analysis of existing structures, and repair and rehabilitation of existing structures.

Ms. Quartner also has experience in the development of repair drawings for concrete, steel, and wood structures, as well as providing construction period services for repairs to waterproofing, concrete, and masonry systems.

#### REPRESENTATIVE PROJECTS

##### Repair and Rehabilitation

- Newark Parking Garage - Newark, NJ: Condition survey to identify structural, waterproofing, and maintenance deficiencies of concrete and open-web steel joist parking garage; construction period services
- Pier House Condominiums - Jersey City, NJ: Investigation of elevated wood-framed balconies for structural and waterproofing deficiencies
- Verrazano-Narrows Bridge - Brooklyn/Staten Island, NY: Condition survey and conceptual repair documents for rehabilitation of pedestal granite pavers and cladding
- Stevens Institute - Hoboken, NJ: Construction period services during repairs to brick and precast concrete masonry wall failures
- Village Mews Retaining Wall - South Orange, NJ: Construction period services during partial demolition and reconstruction of collapsing concrete masonry unit retaining wall
- Parking Garages on Pharmaceuticals Campus - Rahway, NJ: Condition survey, repair documents, and construction period services for structural and waterproofing deficiencies of precast concrete garages

- Delaware County Memorial Hospital Parking Garages - Upper Darby, PA: Condition survey and repair recommendations for structural and waterproofing deficiencies of precast concrete garages

##### Facade Assessment

- Pharmaceutical Laboratory Buildings - Rahway, NJ: Condition surveys of brick masonry facades, constructed circa 1930
- Residences of South Hills - Pittsburgh, PA: Due diligence condition survey of brick masonry facades
- Alexan Riverdale Apartment Complex - Due diligence condition survey including brick masonry facades as well as concrete parking garages and masonry retaining walls

##### Failure/Damage Investigations

- Fire-Damaged Restaurant - Berwick, PA: Fire damage investigation and design of shoring and repairs to structural framing
- Global Container Terminal Wharf - Jersey City, NJ: Investigation of widespread cracking and localized deterioration in wharf concrete topping slab
- Mt. Pisgah Church - Princeton, NJ: Design of temporary stabilization to partial collapse of sanctuary ceiling structure
- Mount Moriah Cemetery Gatehouse - Philadelphia, PA: Design of temporary stabilization for deteriorated and partially collapsed historic gatehouse, constructed circa 1850
- Fire-Damaged Warehouses - Hillsborough, PA: Investigation of fire-damaged brick masonry wall and concrete slab

##### Structural Analysis

- Numerous Stores for Major Retailer - Various Locations: Analysis of open-web steel joists
- One Washington Square - Philadelphia, PA: Analysis of circa-1930 roof framing for retrofit feasibility study
- Retaining Wall Design - Towson, MD: Design of concrete masonry unit retaining wall
- Arlington County Courthouse - Arlington, VA: Design of new sidewalk grates and support structure