



EDUCATION

- The Pennsylvania State University
 - Bachelor of Architectural Engineering, Structures Option, 2010
 - Master of Science, Architectural Engineering, 2013

PRACTICE AREAS

- Concrete Structures
- Facade Assessment
- Parking Structures
- Wood Structures
- Masonry Restoration
- Plazas and Terraces
- Windows and Curtain Walls
- Structural Analysis

REGISTRATIONS

- Building Enclosure Commissioning Process Provider (BECxP)
- Commissioning Authority + Building Enclosure (CxA+BE)
- 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 2013, Timothy Ariosto has worked on a variety of projects, including condition assessments of masonry and glass facades, failure assessments, rehabilitation of historic masonry facades, and rehabilitation of parking structures. Mr. Ariosto's experience is well-rounded, rooted in the investigation of failures, design of repairs, and completion of construction administration services. While studying structural engineering at The Pennsylvania State University, he worked as a research assistant with a focus on building science.

REPRESENTATIVE PROJECTS

Concrete Structures

- New York Aquarium - Brooklyn, NY: Investigation and documentation of defects associated with concrete placement during construction of new marine tanks and building structure

Facade Assessment

- Macy's Herald Square - New York, NY: Evaluation of masonry facade for the preparation of a NYC Department of Buildings (DOB) facade inspection and safety program
- Lord & Taylor Department Store - New York, NY: Evaluation of masonry facade for the preparation of a New York City DOB facade inspection and safety program
- Waldorf Astoria Hotel - New York, NY: Condition assessment of historic masonry facade

Parking Structures

- Yale University, Prospect-Sachem Parking Garage - New Haven, CT: Design, document preparation, and construction period services for repair of precast parking garage structure
- MerrittView Parking Garage - Norwalk, CT: Investigation, design of structural and waterproofing repairs, and construction period services for repair of steel-framed parking garage
- Spring Creek Towers - Brooklyn, NY: Investigation of concrete defects in reinforced concrete parking garage, preparation of construction documents, and construction period services during implementation of repairs

Wood Structures

- Congregation Beth Elohim - Brooklyn, NY: Design of repairs to deteriorated wood joists in historic synagogue
- National Restaurant Chain - Greenwich, CT: Investigation of failure of wood trusses, design of repairs, and construction period services during repair

Plazas and Terraces

- 100, 200, and 300 First Stamford Place - Stamford, CT: Design of waterproofing repair at plaza
- Yale University Art Gallery - New Haven, CT: Investigation of leaks and waterproofing repairs at historic landmark building

Masonry Restoration

- University of Connecticut, South Campus Dormitories - Storrs, CT: Development of brick masonry, cast stone, and slate roof repairs
- Council on Foreign Relations - New York, NY: Development of masonry and roofing repairs
- Yale University, Durfee Hall - New Haven, CT: Design of masonry repairs for historic brownstone facade

Windows and Curtain Walls

- American Museum of Natural History, Rose Center - New York, NY: Coordination of repairs to point supported glass curtain wall
- 777 Main Street - Hartford, CT: Monitoring of glass for breakage resulting from defects and thermal stresses

Structural Analysis

- Riverpark Office Building - Norwalk, CT: Determination of reserve capacity of existing steel-framed roof structure prior to planned green roof and photovoltaic installation
- Philip Johnson House, Glass House Sculpture Gallery - New Canaan, CT: Determination of reserve capacity of concrete structure in preparation for new art installation and crane picks