

### John E. Cocca, Jr. | Senior Associate



#### EDUCATION

- Rensselaer Polytechnic Institute
  - Bachelor of Science, Civil Engineering, 2004
  - Master of Science, Civil Engineering, 2006

#### PRACTICE AREAS

- Failure Investigation
- Testing and Instrumentation
- Structural Evaluation
- Repair and Rehabilitation Design

#### REGISTRATIONS

- Professional Engineer in NY and NJ

#### PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Structural Engineers Association of New York (SEAoNY)
- Structural Engineers Coalition of Connecticut (SEC)

#### TECHNICAL COMMITTEES

- ASCE-7 Rain and Snow Committee

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2006, John Cocca has participated in a wide range of investigations, repair designs, litigation support services, instrumentation and monitoring projects and testing of buildings, bridges, tunnels, adjacent construction sites, stadiums, and a lighthouse. These structures have consisted of reinforced and prestressed concrete, masonry, steel, wood, underpinning, glass, stone, roofing, and waterproofing materials.

While at Rensselaer Polytechnic Institute, Mr. Cocca performed an analytical research project on snow loads that produced a thesis titled "Mathematical Simulation of 50-Year Drift Ratios," which has been used for code modifications in ASCE-7.

#### REPRESENTATIVE PROJECTS

##### Failure Investigation

- 287 Broadway - New York, NY: Adjacent construction litigation support for underpinning damages
- 240–246 West 4th Street, New York, NY: Adjacent construction litigation support for underpinning damages
- Fulton DPW - Fulton, NY: Snow collapse investigation of bowstring truss
- 100th Street Bus Depot - New York, NY: Investigation of partial collapse of facade
- Major Retail Chain - New York, NY: Investigation of precast panel connection failures
- Prospect Towers- Hackensack, NJ: Collapse investigation of post-tensioned parking garage

##### Testing and Instrumentation

- Corning Tower - Albany, NY: Instrumentation and monitoring of marble facade panels
- FDR Drive - New York, NY: Instrumentation and vibration monitoring of traffic induced vibrations
- Lincoln Financial Field - Philadelphia, PA: Instrumentation and vibration monitoring of pedestrian ramp
- Throg's Neck Bridge- New York, NY: Instrumentation and monitoring of light pole vibrations

- 17 Thompson Street- New York, NY: Adjacent construction monitoring of a historic building
- Barnegat Lighthouse- Barnegat, NJ: Instrumentation and monitoring of lighthouse
- Jacob Javits Center Monitoring- New York, NY: Instrumentation and monitoring of structure during building renovations
- USTA Arthur Ashe Stadium- New York, NY: Instrumentation and monitoring of expansion joints
- Monaco Towers- Jersey City, NJ: Instrumentation and monitoring of spandrel glass

##### Structural Evaluation

- Big Dig Safety Audit - Boston, MA: Inspection and analysis of tunnel structural elements and finishes following ceiling panel collapse
- Pittsburgh Convention Center - PA: Structural peer review following partial collapse of structure
- Major Retail Chain - Nationwide: Inspection and analysis of steel joists
- Goya De Puerto Rico - Bayamón, Puerto Rico: Analysis of slab-on-grade distress
- Metromont Parking Garages- GA: Inspection of garages following collapse.
- Corporate Woods Parking Garage- Albany, NY: Precast parking garage distress evaluation

##### Repair and Rehabilitation Design

- Roosevelt House - New York, NY: Design of temporary supports and preparation of steel shop drawings for the renovation of a historic structure
- St. Martin's Tower - New York, NY: Repair of cast-in-place concrete facade
- Poughkeepsie Train Station - Poughkeepsie, NY: Design of wood truss repairs for a historic structure
- 2 Lincoln Square- New York, NY: Repair of concrete eyebrows