

### Collin J. Melton | Senior Associate



#### EDUCATION

- Lehigh University
  - Bachelor of Science, Civil Engineering, 2015
  - Master of Engineering, Structural Engineering, 2016

#### PRACTICE AREAS

- Structural Design
- Nondestructive Evaluation
- Facade Assessment
- Failure/Damage Investigation
- Structural Condition Assessment
- Testing and Instrumentation

#### REGISTRATIONS

- ICC Certified Structural Steel and Bolting Special Inspector
- ICC Certified Structural Welding Special Inspector
- LEED Accredited Professional, BD+C
- Professional Engineer in NY

#### PROFESSIONAL AFFILIATIONS

- International Code Council (ICC)
- U.S. Green Building Council (USGBC)

#### CONTACT

CMelton@wje.com  
212.760.2540  
www.wje.com

#### EXPERIENCE

Since joining WJE in 2016, Collin Melton has performed numerous structural designs, field investigations, condition assessments, facade assessments, and construction period services. He has completed investigations and analysis involving steel, reinforced concrete, wood, and masonry structural systems. Mr. Melton's expertise involves analyzing new structural materials as well as historic, twentieth-century structural materials.

Mr. Melton has been involved with several structural failure investigations. He has provided insurance clients with cause and origin professional opinions, as well as repair recommendations to return the structure to its original service.

#### REPRESENTATIVE PROJECTS

##### Structural Design

- 7-47 Hall Street - Brooklyn, NY: Design and analysis of multiple structural renovations throughout the industrial complex
- 920 Fifth Avenue - New York, NY: Design and analysis of new structure to support ADA-accessible elevator
- Snowden House - Ossining, NY: Design and analysis of new building entrance canopy for capital improvements

##### Nondestructive Evaluation

- Colorado Center Tower 3 - Denver, CO: Nondestructive evaluation of precast concrete units; site support and documentation of grout repairs
- New York Aquarium - NY: Evaluation of previously constructed, cast-in-place concrete structure for structural integrity

##### Facade Assessment

- Taino Towers - New York, NY: Construction administration services and review of facade repairs for multiple, thirty-five-story structures
- Carlyle Hotel - New York, NY: Structural reinforcement design for existing steel exposed during facade repair project
- 605 Park Avenue - New York, NY: Inspection and review of facade improvements
- 110 West End Avenue - New York, NY: Facade assessment and repair administration for twenty-five-story, brick masonry and reinforced concrete building

##### Failure/Damage Investigation

- 216-236 West Fordham Road - Bronx, NY: Failure investigation of collapsed retaining wall; estimated cause and professional recommendations
- Washington Irving Gardens - Tarrytown, NY: Failure investigation for collapsed parking structure retaining wall
- 1351 Prospect Avenue - Bronx, NY: Failure investigation following collapse of floor system

##### Structural Condition Assessment

- Starrett City Due Diligence - Brooklyn, NY: Due diligence assessment of select residential buildings; ten-year anticipated repair and maintenance cost plan
- 75 Clinton Street - Brooklyn, NY: On-site investigations for unsafe multistory concrete masonry unit wall; design and administration of temporary stabilization efforts and permanent overclad
- Outerbridge Crossing - Perth Amboy, NJ: Corrosion testing and assessment of existing steel rebar within the bridge deck to provide estimated remaining lifespan of bridge

##### Testing and Instrumentation

- 2 Park Avenue - New York, NY: In situ parapet testing to approve the use of railings on historic brick masonry parapet
- 920 Fifth Avenue - New York, NY: Flexural bond strength testing on existing parapet to determine in situ masonry properties