

### Nicholas G. Cramsey | Senior Associate



#### EDUCATION

- Lehigh University
  - Bachelor of Science, Civil Engineering, 2005
  - Master of Science, Structural Engineering, 2007

#### PRACTICE AREAS

- Windows/Curtain Walls/Skylights
- Facade Failure and Leakage
- Failure/Damage Investigation
- Building Enclosure Consulting
- Structural Design
- Wood Structures
- Concrete Structures

#### REGISTRATIONS

- Professional Engineer in NY and NJ
- Structural Engineer in IL

#### PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- ASTM International (ASTM)

#### CONTACT

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#### EXPERIENCE

Nicholas Cramsey has expertise evaluating many types of historic and contemporary building enclosures including glass and aluminum curtain walls, thin stone veneers, stone and brick masonry, terra cotta, and skylights. Prior to joining WJE in 2017, he designed new building enclosures, prepared remedial designs for underperforming enclosures, performed facade assessments, and investigated performance issues on projects.

Mr. Cramsey also participated and managed projects involving investigations of structural systems, analysis of existing structures, litigation support, and adaptive reuse of existing structures. He has experience with structural systems constructed with steel, concrete, wood, and masonry.

Mr. Cramsey has authored a paper related to glass design titled "Toolbox for Glass Design" in 2014 and over the past two years has often presented the ASCE-sponsored webinar "Glass and Glazing: Design and Detailing."

#### REPRESENTATIVE PROJECTS

##### Windows/Curtain Walls/Skylights

- Valley Forge Historical Park Visitor's Center - Valley Forge, PA: Enclosure consulting for reglazing and reroofing of Visitor's Center buildings
- Train Station - New York City Metro Area: Enclosure design and consulting for train station head houses and platform screen walls\*
- Weir Greenhouse - Brooklyn, NY: Design of custom glass skylight, copper roof support, and wood windows\*
- 5333 Connecticut Avenue - Washington, D.C.: Design of point-supported glass canopy and supporting custom stainless steel structure\*
- Public Building -Bronx, NY: Investigation of glass breakage at interior partitions\*

##### Facade Failure and Leakage

- Public School - Queens, NY: Evaluation of cast stone cladding panels for deterioration mechanisms\*
- University Building - Brooklyn, NY: Investigation of failed skylight system\*
- One Maynard Drive - Park Ridge, NJ: Investigation of failure marble cladding panel\*
- 112 Centre Street - Brookline, MA: Design of emergency stabilization systems for areas of distressed masonry facade\*

##### Failure/Damage Investigation

- Indoor Motocross Facility - Windsor, CT: Failure investigation of manufactured metal building\*
- Boardwalk Hall - Atlantic City, NJ: Failure investigation of aluminum-space truss supporting concert equipment\*
- Condition Assessments - New York City and Metro Area: Numerous condition assessments of properties damaged by Hurricane Sandy\*

##### Structural Design

- 333 Kent Avenue - Brooklyn, NY: Structural design of two-story steel-framed addition atop of an existing two-story masonry structure\*
- Nassau County Bar Association - Mineola, NY: Structural evaluation of fire-retardant treated wood trusses\*

##### Concrete Structures

- Prospect Towers - Hackensack, NJ: Structural evaluation of existing post-tensioned parking garage and repair design\*
- Parking Garage - Midwest U.S: Investigation of reinforcement congestion and concrete placement difficulties at a post-tensioned parking garage\*

*\*Indicates with previous firms*