WJE

Nicholas G. Cramsey | Senior Associate

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

PRACTICE AREAS
- Structural Repair/Retrofit Design
- Building Enclosure Consulting
- Windows/Curtain Walls/Skylights
- Failure/Damage Investigation
- Concrete Structures
- Facade Failure and Leakage

REGISTRATIONS
- Professional Engineer in NC, NJ, NY, and PA
- Structural Engineer in IL

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

CONTACT
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EXPERIENCE
Nicholas Cramsey has performed structural repair and retrofit designs on numerous projects throughout his career. His specific experiences include structurally driven reclads, repair of distressed or underperforming structures, and structural design of adaptively reused buildings.

Additionally, Mr. Cramsey has provided building enclosure consulting services on both new building construction projects and existing building projects.

He has specific expertise in evaluating new and existing curtain wall as well as structural glass. Mr. Cramsey also has experience with structural systems constructed with steel, concrete, wood, and masonry.

REPRESENTATIVE PROJECTS

Structural Repair/Retrofit Design
- Government Building - Philadelphia, PA: Structural design for ACM panel reclad
- Waverly Place - Cary, NC: Structural repair design for existing steel-framed and concrete-framed structures supporting exterior walkways and waterproofing design
- 333 Kent Avenue - Brooklyn, NY: Structural design for adaptive reuse of existing two-story masonry building and new two-story, steel-framed addition *
- Plaza at Cherry Hill - Cherry Hill, NJ: Structural repair design of bulging two-story tall CMU privacy wall
- Granite Park 6 - Plano, TX: Structural analysis and review of as-built curtain wall
- Nassau County Bar Association - Mineola, NY: Structural evaluation of fire-retardant treated wood trusses *

Building Enclosure Consulting, Design Assistance, and Commissioning
- Cambridge Crossing Parcel G - Cambridge, MA: Building Enclosure Commissioning of new pharmaceutical campus building
- Drexel/Tower Health - West Reading, PA: Enclosure consulting for new medical school building
- Train Station, Metro Area - New York, NY: Enclosure design and consulting for train station head houses and platform screen walls

- 200 Metro Boulevard - Nutley, NJ: Structural engineering and enclosure consulting for partial reclads of 1960s vintage facades with new curtain wall, storefront, and ACM cladding

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
- Ridge Hill Mall - Yonkers, NY: Design of waterproofing repairs and glass replacement for failed skylight
- Philadelphia International Airport - PA: Condition assessment of exterior walls at Terminals D and E and conceptual structural and waterproofing repair design for window walls
- 5333 Connecticut Avenue - Washington, D.C.: Design of point-supported glass canopy and supporting custom stainless-steel structure *
- University Building - Brooklyn, NY: Investigation of failed skylight system *

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, NY, and Metro Area: Numerous condition assessments of properties damaged by Hurricane Sandy *

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

WJE | ENGINEERS ARCHITECTS MATERIALS SCIENTISTS