

Adam Evans | Associate III



EDUCATION

- George Mason University
 - Bachelor of Science, Civil and Infrastructure Engineering, 2015
 - Master of Science, Civil and Infrastructure Engineering, 2017

PRACTICE AREAS

- Nondestructive Evaluation
- Failure/Damage Investigations
- Structural Analysis/Computer Applications
- Wood Structures
- Masonry
- Concrete Structures
- Structural Metals
- Windows/Curtain Walls/Skylights

REGISTRATIONS

- SPRAT Level I Technician

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- American Society of Civil Engineers (ASCE)
- Delaware Valley Association of Structural Engineers (DVASE)
- International Concrete Repair Institute (ICRI)
- Society of Professional Rope Access Technicians (SPRAT)
- Structural Engineering Institute (SEI)

CONTACT

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EXPERIENCE

Adam Evans has extensive experience in the investigation, evaluation, and rehabilitation of various wood, masonry, concrete, and steel structures. Additionally, he has assisted in both the design and testing of new and existing building enclosures, as well as conducted property and facade condition assessments.

Prior to joining WJE in 2019, Mr. Evans specialized in the nonlinear design of structural systems to resist the effects of blast and impact loading environments for both private and public sector buildings. He gained proficiency in analytical modeling, retrofit design, structural detailing, and construction administration services on both contemporary and historic buildings.

REPRESENTATIVE PROJECTS

Nondestructive Evaluation

- Pencoyd Bridge - Philadelphia, PA: Ultrasonic testing of fracture critical members
- 2301 Chestnut Street - Philadelphia, PA: As-built survey of reinforcement for structural modifications using ground-penetrating radar (GPR)
- State Route 54 Over Susquehanna River - Montgomery, PA: Coring oversight and location layout using GPR

Failure/Damage Investigations

- Municipal Services Building - Philadelphia, PA: Investigation of cracked granite veneer
- Philadelphia Family Court - PA: Investigation of delaminated aluminum composite material (ACM) metal panel rainscreen assembly
- Quantico Middle High School - Quantico, VA: Investigation of voids in insulated concrete form (ICF) walls

Structural Analysis/Computer Applications

- 3000 C Street - Philadelphia, PA: Structural analysis of boiler room for rehabilitation
- Heinz Memorial Chapel - Pittsburgh, PA: Structural analysis of roof framing to support scaffolding for rehabilitation
- Greenwich American Center - Greenwich, CT: Structural analysis of proposed window wall assembly

Wood Structures

- 19th Street Baptist Church - Philadelphia, PA: Evaluation of roof trusses for temporary shoring design
- Alliance for Watershed Education - Various Locations: Design of temporary art structures
- 511 East Gibbsboro Road - Lindenwold, NJ: Structural investigation of wood-framed residential units in apartment complex

Masonry

- 1320 West Somerville Avenue - Philadelphia, PA: Inspection of composite masonry facades using industrial rope access
- Harrisburg Military Post - Harrisburg, PA: Condition assessment of brick facades
- 12 West 17th Street - New York, NY: Analysis of concrete masonry unit (CMU) backup for rebuilt parapet wall

Concrete Structures

- Samuel S. Baxter Water Treatment Plant - Philadelphia, PA: Crack investigation of precast double tees
- Jefferson Frankford Hospital Parking Garage - Philadelphia, PA: Rehabilitation of parking garage structure
- Two Bala Plaza Parking Garage - Bala Cynwyd, PA: Rehabilitation of parking garage structure

Structural Metals

- One Liberty Place - Philadelphia, PA: Oversight of inspection to complete joint penetration (CJP) welds located on the spire
- 500 Walnut Street - Philadelphia, PA: Inspection of metal pool shell
- Coleytown Middle School - Westport, CT: Assessment of steel roof framing for new rooftop unit (RTU) placement

Windows/Curtain Walls/Skylights

- Glass Facade - Philadelphia, PA: Condition assessment of unitized glass curtain wall
- Williamsport Regional Airport - Montoursville, PA: Leakage investigation of building facades
- Hurricane Damage Investigations - Various Locations: Inspection of suspected hurricane damage of windows and sliding glass doors