

PETER J. GLISMANN, MS, PE
FORENSIC ENGINEER, SPECIAL INSPECTOR

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Professional Summary

Bachelor of Science degree in Aeronautical and Astronautical Engineering, The Ohio State University, 1987. Master of Science degree in Systems Analysis and Management, The George Washington University, 1992. Licensed in 10 states with experience in design, safety, code enforcement, and inspection of residential and commercial properties. Performed hundreds of engineering investigations for insurance companies, construction firms, and property owners. Evaluated buildings and structures for various conditions and forms of damage to the roof, foundation and building envelope including code compliance, construction defects, risk assessment, damage from water or moisture intrusion, structural failure analysis, damage from weather-related events: hurricane, tornado, wind and rain, damage from differential foundation movement: construction vibration, blasting or explosions, and fire damage. Wrote and defended several Expert Reports. Published author as a Safety Engineer. Presented several speeches on safety, code enforcement, commercial property inspection, insurance investigation, and forensic engineering topics to the engineering community.

Education and Licenses

B.S. Aeronautical and Astronautical Engineering, The Ohio State University 1987
M.S. Systems Analysis and Management, The George Washington University, 1992
Professional Engineering License in New York (083976), New Jersey (24GE04846300), Pennsylvania (PE087464), Massachusetts (Mechanical 54148), Vermont (018.0134 124), Connecticut (35088), New Hampshire (16719), Delaware (25612), Maryland (57093), Florida (PE90986).

Work History

GlisWorks Engineering & Consulting, PLLC New York, NY

2006 - Present

Sole Proprietor: Forensic Engineer, Expert Witness, Special Inspector

Forensic consultation and investigation to determine the cause and origin of various site issues, including design and construction defects, code compliance deficiencies, and weather-related damage to residential and commercial properties. Perform site evaluations, field analysis, and assessments of structural and architectural systems including roofs, foundations and building envelopes. Provide evaluations for failures due to damage from hail, wind, moisture intrusion, flooding, building envelope failures, and general construction failures. Provide general recommendations for remediation and repair. Perform structural failure analysis, and evaluation of damage from hurricanes, tornados, ice/wind/snow, fires, explosions, blasting, construction vibrations, and differential foundation movement. Prepare and defend professional damage assessment reports for affected properties.

Perform code enforcement, special inspection, property and casualty insurance, and forensic engineering investigations for demolition, new construction, and renovation. Evaluate buildings and structures for various conditions and forms of damage, including: code compliance, construction defects, risk assessment, moisture intrusion/water damage, structural failure analysis, differential foundation movement, and weather related damage from rain, hail, wind, hurricane, tornado, and fire.

Metropolitan Transportation Authority New York City Transit – New York, NY

2002 - 2013

New Technology Application Safety Engineer, Office of System Safety

Reviewed and inspected design and construction for bus and train depot and repair structures. Participated on safety reviews for procurement of new technology and equipment. Served on the Hazardous Material (HAZMAT) First Responder Team.

The Port Authority of New York & New Jersey – New York, NY

1998 - 2002

Construction Project Manager, Information Services Department

Reviewed upgrades: egress, data transfer, and Americans with Disabilities Act (ADA) compliance on structures used for parking revenue collection at airport properties: Newark, NJ, John F. Kennedy & LaGuardia Airport, NY.

TRW System Services Company – Rosslyn VA

1995 - 1998

Senior Systems Engineer, Live Fire Data Collection

Reviewed designs for site facilities and data transfer structures for live fire military exercises.

Naval Surface Warfare Center – Indian Head, MD

1987 - 1995

Aerospace Engineer, Design Agent Branch

Reviewed designs for military construction projects to upgrade weapons manufacturing facilities.

Professional Affiliations

American Concrete Institute	Field Inspector Level I
American National Standards Institute	UAV Inspections Roadmap Participating Author
American Welding Society	Certified Welding Inspector
Board of Certified Safety Professionals	Certified Safety Professional
FAA	Certified UAV Pilot
International Code Council	Master of Special Inspection Reinforced Concrete Special Inspector Structural Masonry Special Inspector Structural Welding Special Inspector Structural Steel & Bolting Special Inspector IgCC Commercial Inspector with ASHRAE 189.1 Commercial Energy Inspector Green Building – Residential Examiner Spray Applied Fire Proofing Special Inspector
National Fire Protection Association	Certified Fire Protection Specialist Certified Fire Inspector Level I
National Society of Professional Engineers	NY, NJ, PA, MA, VT, CT, NH, DE, MD, FL