

Christopher J. Sheridan, P.E., LEED AP, EBCP

Vice President



Summary

Mr. Sheridan specializes in MEP design and forensics with 15 years of experience in HVAC, plumbing and fire suppression/protection systems. He joined Thornton Tomasetti in 2010 with more than 10 years of experience working on a variety of projects including commercial, industrial, educational and institutional facilities. His responsibilities include MEP+FP forensic investigations, building system performance issues, property loss consulting, engineering design, building code expertise and litigation support.

Areas of Technical Expertise Include

- Forensic Mechanical Engineering
- Forensic Plumbing Engineering
- Forensic Fire Protection Engineering
- MEP+FP Engineering

Education

- B.S.M.E., 1999, Manhattan College, Riverdale, New York

Registrations

- Licensed Professional Engineer (Idaho, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, North Carolina, Rhode Island, South Carolina, Texas, Virginia, Washington)
- LEED Accredited Professional (LEED AP), USGBC
- Existing Building Commissioning Professional, AEE

Professional Activities

- National Council of Examiners for Engineering and Surveying (NCEES)

Select Project Experience

Forensic Mechanical Engineering

Large Condominium Complex, Manhattan, NY. Forensic investigation of and expert report on improperly functioning packaged terminal air conditioning (PTAC) units as it relates to the design and installation of the PTAC units.

Hydropower Plant, Rensselaer County, NY. Forensic investigation of mechanical failure in run-of-the-river hydroelectric power plant with single Kaplan type turbine.

Forensic Plumbing and Fire Protection Engineering

Luxury Condominium, Natick, MA. Forensic investigation and expert report on failed hot water piping in the 11th floor mechanical room.

Retail Store, Manhattan, NY. Forensic investigation of sprinkler head activation absent presence of fire.

Private Residence, Belle Harbor, NY. Forensic investigation of water damage in the basement of a private residence as relates to flood water and hydraulic overload of municipal sanitary sewer system.

Greenwich Club Condominium, New York, NY. Investigation of claimed flood damage and code upgrades to property.

Coventry Housing Authority, Coventry, Rhode Island. Cause and origin of plumbing failure.

Bertrand Chaffee Hospital, Springville, NY. Investigation of repairs and code upgrade do to facility due to water loss.

City of Columbia, Columbia, SC. Investigation of flood impact on multiple municipal properties.

Power Plant Scrubber Fire, Mount Vernon, IN. Investigation of fire damage to power plant.

Manufacturing Facility, Charleston, SC. Investigation of repairs to nitrogen pipeline to autoclave due to nitrogen explosion.

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Mechanical, Electrical, Plumbing + Fire Protection Engineering

20-Story Courthouse, FL. Investigation of building's HVAC system.

Furniture Factory, Salem, VA. Investigation of damage to MEP system due to tornado.

Regional Transportation Network, New York City Metropolitan Area, NY. Forensic investigation of weather related damage to plumbing, fire protection, and mechanical for a regional transportation network in the New York City Metropolitan area.

Condominium Building, Lower Manhattan, NY. Forensic Investigation of mechanical, plumbing and fire protection work being performed on residential condominium building damaged by CAT-90 Sandy.

Distribution Center, Fishkill, NY. Investigate damage to facility MEP systems due to fire.

Sworn Testimony

Deposition, US District Court – Southern District of NY, involving testimony on behalf of multiple insurers.

Trial, New York State Supreme Court - Involving water release in a condominium building.

Alternative Dispute Resolution

Dispute between Condominium Board as well as several Condominium Owners and Developer, regarding MEP Systems for a residential condominium in Alexandria, Virginia. JAMS Arbitration in Washington, D.C. Expert witness on behalf of the Developer.

Dispute between a contractor and homeowner, regarding the renovation of an apartment. JAMS Comprehensive Arbitration in New York. Expert witness on behalf of the contractor.

Papers, Publications, and Presentations

Working Sessions with Graduate Students (Two Sessions) on the MEP Engineering Impact on Architectural Designs, University of Pennsylvania – ARCH 602: Manifold Identities, Instructor: Brennan Buck, Spring 2017.

Working Sessions with Graduate Students (Two Sessions) on the MEP Engineering Impact on Architectural Designs, University of Pennsylvania - ARCH 602: Integrative Design, Instructor: Daniel Markiewicz, Spring 2019.

Contact

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