

CHRISTOPHER J. SHERIDAN, P.E., LEED AP

Vice President



Summary

Mr. Sheridan specializes in MEP design and forensics with more than 20 years of experience in HVAC, plumbing and fire suppression/protection systems. He is currently in charge of the New York Forensic MEP group at TT. His experience includes working on a variety of projects including commercial, industrial, educational and institutional facilities. His responsibilities include the design of MEP+FP systems and forensic investigations including failure cause and origin, building system performance issues, insurance related consulting, building condition assessments, building code/code upgrade analysis and litigation support.

Areas of technical expertise

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

Education

- B.S.M.E., 1999, Manhattan College

Registrations

- Licensed Professional Engineer in FL, ID, LA, ME, MD, MA, NJ, NM, NY, NC, RI, SC, TX, VA, WA
- LEED Accredited Professional, USGBC

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.

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

Bertrand Chaffee Hospital, Springville, NY. Investigation of repairs and code upgrade of ventilation systems due to facility water damage.

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.

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.

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

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Residential Condominium Building, Manhattan, NY. Building condition assessment of mechanical, electrical, plumbing and fire protection systems as well as architectural and structural systems.

Forensic plumbing engineering

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

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.

Coventry Housing Authority, Coventry, RI. Cause and origin of plumbing failure.

Forensic fire protection engineering

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

MEP+FP design

157 East 86th Street, New York, NY. Design of mechanical system for one floor of commercial office space.

335 Madison Avenue, New York, NY. Design of mechanical, electrical, plumbing and fire protection systems for three floors of commercial office space.

6440 Mercantile Drive, Fredrick, MD Post fire redesign of mechanical, electrical, plumbing and fire protection systems for 60 unit multifamily dwelling.

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 NY. Expert witness on behalf of the contractor.

Select papers, lectures and publications

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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