

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

Associate Principal



Summary

Chris 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 has involved working on a variety of projects including commercial, industrial, educational and institutional facilities. His responsibilities encompass 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 AZ, CT, DC, DE, FL, GA, ID, IL, LA, MA, MD, ME, NC, NJ, NM, NY, PA, RI, SC, TN, TX, VA and WA
- LEED-Accredited Professional, U.S. Green Building Council (USGBC)
- Diplomate Forensic Engineering (DFE), National Academy of Forensic Engineers

Professional Activities

- National Council of Examiners for Engineering and Surveying (NCEES)
- American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)
- National Society of Professional Engineers (NSPE)
- National Academy of Forensic Engineers (NAFE)

Select Project Experience

Forensic Mechanical Engineering

Large Condominium Complex, Manhattan, NY. Forensic investigation 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 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. Investigation of damage to facility MEP systems due to fire.

Forensic Fire Protection Engineering

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

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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 it relates to flood water and hydraulic overload of municipal sanitary sewer system.

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

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

Depositions

Seymour v. Hovnanian, regarding mechanical equipment placement and code compliance of mechanical equipment on behalf of Hovnanian. New York, NY. 2024.

Firemen's Ins. Co. of Washington, D.C. v. Nationwide Mut. Ins., regarding the improper installation of refrigerant piping for VRV air conditioning systems in Montgomery County, MD. 2024.

Clarendon Regency IV, LLC v. Equinox Clarendon, Inc., involving issues related to appropriateness of mechanical, electrical, and plumbing design documents for a potential fitness center in Arlington, VA. U.S. District Court, Eastern District of Virginia. March 2022.

Hertz Inv. Grp. LLC, et al. v. Zurich Am. Ins. Co. et. al., involving damage to commercial building in Lake Charles, LA. Retained on behalf of Hertz Investment Group, LLC., 14th Judicial District Court, Parish of Calcasieu, State of Louisiana. September 2022.

Palau Sunset Harbor Condo. Ass'n, Inc. v. G.T. Constr., regarding MEP construction issues on behalf of the condominium association. Miami-Dade County, FL. 2022.

1100 Millecento Residences Condo. Ass'n, Inc. v. Plaza Constr. Grp. Florida, LLC, et al., regarding MEP construction issues on behalf of the condominium association. Miami-Dade County, FL. 2022.

Dornfield v. Double Eagle Constr. Grp., LLC, regarding a failed plumbing connection in a residence on behalf of the defendant. Palm Beach County, FL. 2022.

Flats 8300 Owner LLC v. The Donohoe Companies, Inc., et al., regarding improperly installed VRV air conditioning system on behalf of plaintiff. Montgomery County, MD. 2022.

US District Court, Southern District of NY, involving testimony on behalf of multiple insurers. 2015.

Trials

J.K. Scanlan Co., LLC v. The Kargman Fam. Brookline Residence Trust, regarding several claimed defect with HVAC, electrical, and plumbing systems on behalf of J.K. Scanlan Co., LLC. Norfolk County Superior Court, East Dedham, MA. May 2023.

The Trustees of Green St. Monthly Meeting of Friends v. Citizens Bank, N.A., involving the condition of mechanical and plumbing systems in a leased building in Philadelphia, PA. Retained on behalf of Citizens Bank, N.A. U.S. District Court, Eastern District of Pennsylvania. November 2022.

New York State Supreme Court, regarding water release in a condominium building. 2019.

Alternative Dispute Resolution

Parc Traditions, LP v. Rogers-O'Brien Constr. Co., LLC, dispute between property owner and contractor regarding MEP issues in a facility in Texas. Am. Arb. Ass'n Case No. 01-22-0002-0377.

Dispute between condominium board, 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: Integrative Design, Instructor: Daniel Markiewicz, Spring 2019

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.

CONTACT

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