VINCENZO ROTOLI, P.E.

Vice President

Summary

Vincenzo Rotoli joined Thornton Tomasetti in 2025 and has more than 20 years of experience in plumbing and fire protection/suppression systems. His expertise has involved working on a multitude of projects within commercial, residential, educational, hospitality, healthcare, infrastructure and cultural sectors. His experience is rooted in professional engineering design of plumbing and fire protection systems for new and existing buildings complemented by his project management of multi-discipline teams. He has been responsible for the development of engineering construction documents, technical specifications, building condition assessment reports, building code/compliance analyses and feasibility studies.

Areas of Technical Expertise

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

Education

- B.S., Mechanical Engineering, 2001, Rutgers University

Registrations

- Licensed Professional Engineer in NY, NJ, PA, and VA
- OSHA 10 hour Training Course

Professional Activities

- Current Member and Past NYC Chapter President, American Society of Plumbing Engineers (ASPE)
- Member, New York City Building Code Plumbing Code Committee
- Past Member, New York City Building Code Fire Protection Code Committee
- Member, Society of Fire Protection Engineers (SFPE)
- Member, National Society of Fire Protection Engineers (NFPA)
- Member, American Society of Sanitary Engineers (ASSE)

Select Project Experience

Plumbing and Fire Protection Engineering

College of Mount Saint Vincent, Founders Hall Renovation, Riverdale, NY. * Fire protection sprinkler system engineering design associated with major renovation of top floor and attic of an historic landmark building.

West Long Branch Community Center, Sprinkler System Implementation, West Long Branch, NJ.* Existing town community center and library undergoing extensive renovations. Existing building was unique as it was originally constructed of timber beams at turn of the century. The extent of the renovation required the installation of a water-based fire protection system across multiple design hazard types utilizing multiple systems. Areas prone to freezing were protected utilizing dry-pipe systems with nitrogen pressure maintenance.

Monmouth Mall Redevelopment, Eatontown, NJ.* Fire protection sprinkler system engineering delegated designs for multiple new retail buildings to surround the existing anchor tenants.

Den Holtz, Residential Development, Bound Brook, NJ.* Fire protection engineering of sprinkler/standpipe systems for new five story 120 unit residential apartment building and amenity spaces. Sprinkler /standpipe systems originated from new utility services.

Dulce DeLeche Commissary Construction, North Bergen, NJ.* Plumbing system engineering for the conversion of an existing warehouse and a second story addition to a food service facility comprising of commercial kitchens, preparation, cold storage, and retail areas. Design included all new utility services and grease interceptor implementation.

Met Council, Backflow Prevention Installations, Various Locations.* Provided plumbing engineering and design of backflow preventer assembly installations attaining approvals from regulatory agencies.

Website Sample

*Denotes work performed with previous employer.

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Essa Bagel Commissary, New York, NY.* Fire protection sprinkler system engineering for modifications required to convert an existing bakery to bagel production commissary.

50 Oakdene, Community Center and Day Care Facility, Teaneck, NJ.* Plumbing system engineering for a major renovation of an existing school to a community center and day care facility. Services originated from a combination of existing and upgraded services.

MEP+FP Design

Luxury Living Furniture Showroom Renovation, New York, NY.* Fire protection sprinkler system engineering for modifications of a furniture showroom renovation encompassing the ground floor and cellar of a multi tenant building. Retained and managed the mechanical and electrical engineers as part of the project team.

85-99 State Street, Hackensack, NJ.* Plumbing and fire protection sprinkler/standpipe system engineering design for 60 unit residential apartments. New building construction employing new utilities and systems. Retained and managed the mechanical and electrical engineers as part of the project team.

936 East 8th Street, Brooklyn, NY.* Plumbing system engineering design for new construction of a single family home. Retained and managed a mechanical engineer as part of the project team.

Forensic Plumbing and Fire Protection Engineering

Hotel, Vestel, NY. Forensic investigation of dry-pipe sprinkler system activation and unintended water discharge absent presence of fire.

Furniture Store, Old Fort, NC. Assessment of repairs performed to a diesel fire pump due to flooding from hurricane.

Mountain Club Condo Association, Boiler and Water Heater Assessments, Parsippany, NJ.* Condition and operational assessment of 50 building condominium complex. Evaluation of building heating and domestic water boilers, storage systems, and controls function.

Cold Storage Facility, Early Suppression Fast Response Fire Protection System Evaluation, Newark NJ.* Evaluation of condition, arrangement, and functionality of existing antifreeze, fire suppression system serving cold storage rooms, indicating required maintenance and testing procedures.

Plumbing and Fire Protection Design

1 World Trade Center, New York, NY.* Fire protection sprinkler and standpipe system design for high rise commercial office building and plumbing system design for below grade stories of the building.

7 World Trade Center, New York, NY.* Plumbing and fire protection system design for high-rise commercial office building.

Trinity Place Offices, New York, NY.* Plumbing and fire protection sprinkler/standpipe design for new multipurpose building consisting of community center amenity spaces and office tower.

Borough of Manhattan Community College, Fiterman Hall, New York, NY.* Plumbing and fire protection system design for new classroom and educational facilities building.

Fordham University, Hughes Hall Renovation, Gabelli School of Business, Bronx, NY.* Plumbing and fire protection system design for major reconstruction of an existing landmarked building.

Revel Entertainment Casino and Hotel, Atlantic City, NJ.* Plumbing and fire protection design for multiacre multistory building housing casino, restaurants, spa, pools, retail, entertainment, and theater venues, serving as the podium for two high-rise hotel towers.

New York University Langone Medical Center, Central Energy Building, New York, NY.* Plumbing and fire protection systems design for new building containing energy generation and electrical distribution equipment.

New York University Langone Medical Center, Emergency Department Expansion/ Renovation, Kimmel Pavilion Hospital, Tisch Hospital Anesthesiology Department, Tisch Hospital Blood Bank, Histology Laboratory, Same Day Admit Suite, Radiology Oncology, New York, NY.* Plumbing, medical gas, and fire protection sprinkler/standpipe system designs for various projects comprised of new construction, existing building renovations, and infrastructure upgrades.

Sworn Testimony

Deposition, 1516 Roof, LLC v. 469 Holdings, LLC, regarding the code compliance of tenant's filed engineering plans with the NYC Department of Buildings for proposed plumbing and fire protection system modifications for the building and for a proposed alteration to convert an existing roof into an assembly occupancy. August 19, 2025.

CONTACT

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