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# Domenic Ciolino, PE

## Fire Protection Engineer

### EDUCATION

UMASS Lowell, B.S. Civil Engineering with Structural Concentration  
FM Global

### REGISTRATION / PROFESSIONAL AFFILIATIONS

Professional Engineer licensed in NH, MA, VT, MD, FL; NFPA, Society of Fire Protection Engineers, ICC

Mr. Ciolino has been working in the fire protection engineering profession for over 22 years. He has worked on numerous building occupancy types including storage, high rise, biochemical research, pharmaceutical, residential, historical, museums, and retail buildings. He has experience in standard fire protection systems such as wet, dry, and pre-action type system, as well as special protection systems such as ESFR, high expansion foam, AFFF foam, gaseous suppression, and water spray systems. Separate from the fire protection side of the field, he is also proficient in fire alarm design, egress plans, code consulting, explosion mitigation systems, and has recently added fire modeling using Computational Fluid Dynamics (CFD) software. The latter is useful in creating alternative performance based designs where the prescriptive requirements are too costly or too prohibitive

### RELEVANT EXPERIENCE

#### **Starwood Hotel and Condominiums @ 500 Atlantic Avenue, Boston, MA**

Designed the fire protection and fire alarm systems at this 22 story high rise building. This facility required a large fire booster pump system and standpipe system due to the height of the building. Residential sprinklers were used throughout the hotel and condominium floors, while the amenities floors were provided with quick response sprinklers. There were also multiple levels of parking provided under the building which were protected with dry pipe sprinkler systems. A fully addressable fire alarm system with integrated voice paging/selective evacuation sequence was provided. The main ballroom was commissioned for message intelligibility using the STI method of measurement.

#### **Ken's Foods Storage Warehouse Southborough, MA**

Designed the fire protection and alarm systems for a prominent condiment manufacturer. The sprinkler system was predominantly an ESFR sprinkler system protecting the solid pile and rack storage of salad dressings and barbeque sauces. Fire protection water is provided by both the public water supply and a 100,000 gallon water tank and fire pump system. Refrigerated storage was also provided with ESFR sprinklers.

#### **Idexx, Inc., Expansion Project, Westbrook, ME**

Manufacturing of Veterinary Supplies and Testing Equipment – Designed an addition to an existing facility as well as upgrades to the existing production facility. A new main headquarters building was also constructed in an adjacent parking lot. The main building's storage area was extended into the new addition, with the sprinkler system converted to an ESFR type system to allow flexibility in storage. A new 2-story research and development addition was included which was protected throughout with a new wet-pipe sprinkler system. Fire protection was provided via the public water supply and a 100,000 gallon water storage tank and diesel fire pump. A completely new fire alarm system was installed that connected all buildings with a token ring fiber optic network. This gave the owner a full overview of the entire campus at a central location, which aided the facilities personnel with troubleshooting the system, instead of having to travel to each building to discover problems and/or alarms in the complex.