



Director of Engineering

Raymond L. Ricci, P.E., F.P.E., CIPE
Mechanical, Plumbing, & Fire Protection Engineer

A 1981 graduate of Roger Williams University with a degree in Mechanical Engineering as well as a Mechanical Engineering certificate from the University of Rhode Island, Ray Ricci is both a registered professional Fire Protection and Mechanical engineer in the Commonwealth of Massachusetts and the state of Rhode Island. With over 38 years of design and engineering experience, he also received his Board Certification in Plumbing Engineering (CIPE) from the American Society of Plumbing Engineers in 1983. As an active member of ASPE, he presently serves on the Boston Chapter's Technical Article Committee and is a past member of the National Society of Professional Engineers and NFPA.

Mr. Ricci abilities include meeting mechanical, plumbing, and fire protection design and engineering schedules and deadlines while maintaining budget restraints and quality control for a wide and assorted range of projects including institutional, educational, multi-family and high-rise residential housing, commercial, military facilities, industrial and commercial facilities. He has also worked on research and medical laboratories, aircraft hangers and maintenance facilities, municipal buildings and hospitals. As a consultant for discussion and review of project design concepts and conformance, Mr. Ricci has also worked on scores of projects including several Stop and Shop Supermarkets.

As a plumbing and fire protection engineer, Mr. Ricci performs State Building Code & NFPA code analysis and compliance verifications; designs process piping, heat recovery, fuel systems, compressed air distribution systems, mechanical rooms, process vacuum systems, chilled water systems, and hydraulic piping in industrial applications. Besides general building sprinkler and standpipe systems, Mr. Ricci also engineers wet, dry, deluge, pre-action and AFFF foam systems for hazard protection, hydraulically calculated, along with specialized dry chemical, Halon 1301, Inergen and CO2 extinguishing systems.

His work includes the design of complete fire pump systems and fire pump stations. He provides fire protection reviews of facilities and provides evaluation reports addressing the necessary upgrade requirements for insurance companies and code compliance. He also provides designs for the construction of a hydrogen storage deluge fire protection system including design and shop drawing reviews and field testing of all systems, as well as reviews 100% construction documents of plumbing, fire protection and mechanical systems for general errors and omissions as well as for final modifications and submission.

Some of Mr. Ricci's more prominent projects include Waltham Hospital's Operating Rooms and CCU wing, the USN Aircraft Hanger in the Philippines, several Resource Recovery Facilities in Hawaii, Hartford, and Detroit, etc., several Parking Garages in Providence, New Britain, Connecticut, etc.,

the Veterans Hospital in Boston, and several Stop and Shop Supermarkets, among scores of others.

Mr. Ricci's technical experience also includes several years as a commercial pilot in single engine aircraft.

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