Timothy M. Sinasac
Fire Protection Technician

Education

Computer Integrated Drafting and Design, Tennessee Technology Center at Knoxville, TN
Mechanical, Structural, Architectural Drafting Diploma, 2004

Professional Affiliations

Certified Drafter, American Design Drafting Association
NICET Level II Certified, Water-Based Fire Protection Systems Layout (formerly Automatic Sprinkler)
NICET Level I Certified, Fire Alarm Systems
NICET Level I Certified, Special Hazards Suppression Systems

Professional Experience

February 2005 through Present - Performance Design Technologies, Inc.
Fire Protection Designer/Technician

Mr. Sinasac is a Fire Protection Designer/Technician who supports a variety of design and analysis projects with graphic presentations, drawings, and field support. He has assisted in the design of fire protection system upgrades for various Department of Energy projects, schools, and commercial facilities. He has assisted in the assessment of both new and existing fixed fire protection systems.

Mr. Sinasac's specific water-based fire protection systems experience includes drawing development and revisions of wet pipe, dry pipe, pre-action, deluge, and electric and diesel-driven fire pump sprinkler systems; development and review of automatic sprinkler system shop drawings; sprinkler head and pipe layout; and coordination of sprinkler/valve information (addition/removal, location detail, etc). Tim is also experienced in field surveying, installation and acceptance testing oversight, water supply analysis, and hydraulic calculations.
Mr. Sinasac's specific fire alarm experience includes development and review of conceptual system layouts and wiring diagrams, layout and placement of initiating devices, notification devices and wiring, coordination of devices information (addition/removal, location details, circuit information, etc.), drawing development and revisions, field surveying, and installation and testing oversight.

Mr. Sinasac's experience in special hazards suppression systems includes performing the system layout in accordance with the engineer's design; layout and placement of initiating and notification devices, release station, cylinder, etc.; drawing detailed isometric and plan layouts of CO^2 systems, foam systems, dry chemical systems, etc.; drawing development and revisions; field surveying; and installation and testing oversight.

Areas of Specialization

Fire Suppression Design and Hydraulic Calculation (HASS)
Fire Alarm System Design
Multi-Platform Drafting and Design (Microstation and AutoCad)
Network Management of Multi-user Drafting Projects
Archive Maintenance of Multiple-Phased Design Projects