



Advanced Engineering Investigations

CHARLES B. SULLIVAN, ASCR₂, CKH₂

Mr. Sullivan is an expert in the layout/design, installation, inspection, testing, maintenance, repair and operation of fire suppression systems and their components, and often addresses industry standard of care issues. Mr. Sullivan is also knowledgeable about fire alarm systems, plumbing systems, backflow prevention devices, and fire extinguishers. He worked in the fire protection industry for 22 years and has spent the last 8 years working in the forensic side of the industry evaluating various issues with fire suppression systems, fire alarm systems, plumbing systems, backflow prevention devices, and fire extinguishers. His responsibilities have ranged from installing fire sprinkler systems to managing groups of field service and installation suppression and alarm technicians. His 28 years of troubleshooting gives him unique expertise in failure analysis of fire suppression, fire alarm, and plumbing systems, as well as the related equipment. Mr. Sullivan has expertise in code analysis, standard of care, construction defect, and cost estimating as they relate to installation and repair of systems. He has provided expert deposition and trial testimony both nationally and internationally.



EDUCATION

Southeastern Regional Vocational-Technical/High School – Mechanical Engineering/Drafting, 1974 to 1978

UA Local 550 - 1200 Hours of Classroom Training and 5500 Hours of Field Training in Fire Sprinkler Installation and Service, 1987 to 1990

Ansul, Pyro-Chem, and Amerex Suppression System Design, Installation and Service

Numerous Cross Connection and Backflow Certifications

Certifications through Spears Corporation, Lubrizol- BlazeMaster Fire Sprinkler Systems, REHAU Fire Sprinkler Systems, Viking Corporation, ITT Pump, Potter Electric, STI, Faraday, Honeywell, Fire-Lite, Notifier, and Silent Knight fire alarm systems.

Has Completed NFPA and IAAI Courses, Tested and Passed.

LICENSURE

State of Colorado Department of Public Safety Division of Fire Prevention and Control

(Registered Fire Sprinkler Fitter, Registration Number: 17-SF-04756)

City & County of Denver Fire Protection A Supervisors Certificate (#1054786)

CSA Sprinkler Competent On-Site Person Commercial & Residential, ASCR₂ #CSA21493

CSA Commercial Kitchen Hood Installation and Service, CKH₂ #CSA21493

City of Colorado Springs Licenses – Kitchen Suppression FSC-B, Fire Sprinkler FSC-A and Fire Extinguishers FSC-C

City of Aurora Supervisors Certificate (#2013 658840 00 Sl D-7 Fire Sprinkler)

American Backflow Prevention Association (ABPA), Tester 06-00022, Proctor, P6-22

WORK HISTORY

Senior Consultant, *AEI Corporation*, 2009 to Present

Supervisor, Installation/Service of Suppression and Alarm Systems, *Global Fire and Safety*, 2005 to 2009

Service Manager, Suppression and Alarm, *Complete Fire Protection*, 2004 to 2005

Inspection & Service Manager, Suppression and Alarm, *Rocky Mountain Fire and Safety*, 1992 to 2004

Foreman, Fire Sprinkler Installation, *Evergreen Fire Protection*, 1990 to 1992

Apprentice Fire Sprinkler Fitter, *UA Local 550*, 1987 to 1990

Apprentice Plumber, *Conefry Plumbing*, 1984 to 1987

EXPERIENCE

Mr. Sullivan has worked extensively with all types of fire suppression systems, including but not limited to, wet, dry, pre-action, foam, deluge, kitchen hood, paint booth, vehicle and clean agent. He also has extensive experience with and working knowledge of equipment including fire and jockey pumps, roll-down fire doors, backflow preventers, fire dampers and fire extinguishers. In addition, he has experience with fire alarm systems, fire caulking, and plumbing related issues. He is an active member of the CBPA (President and Education Committee). He is an active member of ABPA and continues to proctor. He is an active member of the AWWA, M-15 Cross Connection Control Committee. Mr. Sullivan has 28 years of experience performing failure analysis of fire suppression systems and related equipment.



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AFFILIATIONS

Colorado Fire Protection Association (CFPA), Member

National Fire Protection Association (NFPA), Member, Building Fire Safety Systems Section

National Fire Sprinkler Association (NFSA), Member

American Backflow Prevention Association (ABPA), Member, Tester, and Proctor

Colorado Backflow Prevention Association (CBPA), President and Education Committee

American Water Works Association (AWWA), Cross Connection Control Committee, Distribution and Plant Operations Division

Cross Connection Control Foundation of the Niagara Frontier, Member

International Association of Arson Investigators (IAAI), Member.