



CURRICULUM VITAE

Michael P. McGreal, P.E. Fire and Life-Safety Engineering Consultant

PROFILE

Mr. McGreal is a highly qualified and experienced fire and life-safety professional. He is a registered professional engineer in several states, holds appointments to a National Fire Protection Association committee and task force, and has attained numerous International Code Council certifications.

Mr. McGreal has demonstrated research accuracy in the performance of litigation support as an expert witness while preparing technical reports featuring solid investigative failure analysis and defensible opinions during testimony. His specialties include, but are not limited to building & fire code analysis, fire protection system design, exit analysis studies, fire protection audits and development of smoke management system test procedures.

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Registered Professional Engineer – States of Illinois, Maryland, Michigan and Virginia
Registered Plan Reviewer – State of Michigan, Bureau of Construction Codes

Certified Instructor – State of Michigan Bureau of Construction Codes
Certified Expedited Peer Reviewer (All Disciplines) – Fairfax County, Virginia
International Code Council Certifications:

ICC Certified Fire Marshal	ICC Mechanical Plans Examiner
ICC Master Code Professional	ICC Mechanical Inspector
ICC Certified Building Official	ICC Commercial Mechanical Inspector
ICC Fire Inspector I	ICC Residential Mechanical Inspector
ICC Fire Inspector II	ICC Electrical Plans Examiner
ICC Fire Plans Examiner	ICC Commercial Electrical Inspector
ICC Fire Prevention Inspector I – NFPC	ICC Plumbing Plans Examiner
ICC Fire Prevention Inspector II – NFPC	ICC Plumbing Inspector
ICC Combination Plans Examiner	ICC Commercial Plumbing Inspector
ICC Commercial Combination Inspector	ICC Residential Plumbing Inspector
ICC Building Plans Examiner	ICC Accessibility Inspector/Plans Examiner
ICC Building Inspector	ICC Residential Energy Inspector/Plans Examiner
ICC Commercial Building Inspector	ICC Certified Housing Code Official
ICC Residential Building Inspector	ICC Property Maintenance & Housing Inspector

ACADEMIC CREDENTIALS

MBA – Entrepreneurship Concentration, DePaul University, Chicago, IL, 1993
M. Sc. – Fire Protection Engineering, Worcester Polytechnic Institute, Worcester, MA, 1990
B. Sc. – Fire Protection and Safety Engineering, Illinois Institute of Technology, Chicago, IL, 1985

PROFESSIONAL APPOINTMENTS

National Fire Protection Association Technical Committee on Dry & Wet Chemical Extinguishing Systems (NFPA 17 & 17A), 1996
National Fire Protection Association Guide for Fire & Explosion Investigations (NFPA 921) Task Group on Fire Protection Systems

PROFESSIONAL MEMBERSHIPS

- International Code Council (ICC)
- International Association of Arson Investigators (IAAI)
- National Fire Protection Association (NFPA)
- National Association of Fire Investigators (NAFI)
- Salamander Honorary Fire Protection Engineering Society
- Society of Fire Protection Engineers (SFPE)
 - Task Force for the Sprinkler System Design for Engineering Course – Past Participant

PROFESSIONAL EXPERIENCE

2013 - Present

Americana Safety Associates, LLC - Chicago, Illinois
Fire and Life-Safety Engineering Consultant

- Provides expert witness and litigation support to trial attorneys in personal injury, product liability, negligence and wrongful-death law cases. Areas of specialization include, but are not limited to:
 - Fire and life-safety evaluations, building code analysis, fire protection system design, fire alarm and special suppression systems.
 - Engineering – Losses involving Fire Protection Systems, Consumer Products, Industrial Equipment and Plumbing Systems.
- Provides consultation services to business and industry on assessment of fire and life-safety protection systems, including abatement of hazards.
- Provides regulatory compliance and on-site inspection consultation services to business and industry to ensure compliance with all applicable U.S. federal and state life-safety requirements, laws, regulations, national consensus standards and best practices.

1993 - Present

Private Practice, Tinley Park, Illinois
Fire Protection Engineering and Code Consultant

- Provides fire & life safety evaluations, building & fire code analyses, fire protection system design, fire scene investigation, fire & explosion case review, fire cause & origin investigation, litigation support, expert testimony, performance-based design, construction document & shop drawing plan review (all disciplines), computer fire modeling, fire protection master planning and educational seminars.

1994 - 1997

Engineering Dynamics, Ltd., Oak Brook, Illinois
President, Mechanical and Electrical Engineering Consulting

- Specialized in the design of mechanical and electrical systems for expansions and renovations of major shopping centers located throughout the United States.

1991 - 1993

Professional Loss Control, Inc., Vernon Hills, Illinois
Senior Fire Protection Engineer

- Provided Fire protection system design, fire and life safety analyses, code compliance surveys, computer fire modeling, technical support for the development of a computerized version of a fire risk assessment methodology for the nuclear industry, risk assessment evaluations, fire protection system testing and seminar instruction.

PROFESSIONAL EXPERIENCE (Continued)

- 1990 – 1991 **Rolf Jensen & Associates, Inc.**, Deerfield, Illinois
Associate Consulting Engineer
- Provided litigation support work, code analyses, automatic sprinkler system design, construction supervision, exit analysis studies, fire protection audits and development of smoke management system test procedures.
- 1988 - 1989 **BOCA International, Inc.**, Country Club Hills, Illinois
Staff Engineer
- Provided technical report writing on code equivalent products, verbal and written interpretations on the BOCA National Codes, technical consulting related to codes and standards, fire protection system plan review, instructed Automatic Sprinkler Plan Review and Fire Protection Systems seminars and assisted in the development of educational material related to the BOCA National Codes.
- 1985 - 1988 **Skidmore, Owings & Merrill**, Chicago, Illinois
Mechanical Engineer
- Designed automatic fire suppression systems, performed hydraulic calculations, wrote specifications, reviewed contractor's shop drawings, conducted field inspections and testing, coordination with architects and technical disciplines, wrote software to expedite computer-aided design (CAD) processes, plumbing system design, HVAC system load analysis, Coordinator of the firm's fire protection/plumbing computer effort and member of the in-house Professional Development Committee.
- 1985 **Fire Control, Inc.**, Prospect Heights, Illinois
Sprinkler Systems Designer
- Designed automatic sprinkler systems, performed hydraulic calculations, inspected sprinkler system installations and conducted field surveys and flow tests.

AVAILABILITY

Mr. McGreal is available nationwide for select fire and life-safety engineering consultations and expert witness assignments through Americana Safety Associates, LLC.