



Jeffery P. McBride, PE
Principal Code Consultant and Fire Protection Engineer

State Professional Engineering Registrations

Registered Professional Engineering (Fire Protection):

Maryland,	No. 18546	Pennsylvania	No.042276-R
New Jersey,	No. 24GE04273000	Virginia	No. 22058
Connecticut,	No. 25827	Massachusetts	No. 46971
Delaware,	No. 14961	District of Columbia	No. PE11059
Kentucky,	No. 25686	Colorado	No. PE.0049892
California,	No. FP-1680	North Carolina	No. 042503
West Virginia	No. 17617	Missouri	No. 2015013744
New York	No. 085743-1	Texas	No. 136232
Ohio	No. E-83825	Wisconsin	No.47444-6
Illinois	No. 062.066024	Georgia	No. PE045441
Florida	No. PE89183	Arizona	No.50042

State Certified Building Inspector, Maryland Dept. of Housing & Community Development

Professional Education

- Master of Engineering, Fire Protection, University of Maryland, 2006.
- Bachelor of Science, Fire Protection Engineering, University of Maryland, College Park, 1987
- Associate in Arts, Engineering, Harford Community College, 1984
- Society of Fire Protection Engineers (SFPE), Various Seminars and Lectures, 1986 – Present
- HalfMoon Education – Mixed-Use Buildings – October 2022
- HalfMoon Education – Special Inspections under the IBC Chapter 17 – April 2019
- ANSI-ASQ Accreditation Board – Internal Auditing to ISO/IEC 17020 – January 2018
- Practicing Institute of Engineering, Inc. – Thermal Expansion in Piping Systems – October 2017
- Practicing Institute of Engineering, Inc. – ASCE / IBC Code Requirements for Expansion in Piping Systems – October 2017
- HFMADV – Inspecting and Maintaining Swinging Egress and Fire Door Assemblies – Jan 2017
- NFPA Fire and Explosion Investigations (NFPA 921) Seminar – February 2011
- SFPE – Advanced Fire Dynamics Simulator and Smokeview Seminar – October 2007
- SFPE – Introduction to Fire Dynamics Simulator and Smokeview Seminar – March 2003
- SFPE – Tenability Systems for Smoke Management Seminar – March 2003
- Basic Firefighter’s Training Course, University of MD, Maryland Fire & Rescue Institute, 1983
- Fire Ground Tactics, University of Maryland, Maryland Fire & Rescue Institute, 1984

National Technical Committee Memberships

- NFPA 1925** – Marine Fire Fighting Vessels, 2004 – Present, Principal Member. Committee Chair 2015-2025
- NFPA 88A** – Garages and Parking Structures, 2004 – Present, Principal Member
- NFPA 2010** – Fixed Aerosol Fire Extinguishing Systems – 2009 – Present, Principal Member
- NFPA 150** – Animal Holding Facilities, 2004 – Present, Principal Member
- NFPA 72** – Single-and Multiple Station Alarms and Household Fire Alarm Systems, 2004-Present, Principal Member
- NFPA 232** – Protection of Records, 2015-Present, Principal Member



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Professional Committee and Service Work

Harford County Maryland Department of Inspections, Licensing & Permits – Building Code Board of Appeals – 2023 to Present

Harford County Maryland Public Schools - Pre-Engineering Program Advisory Committee (PAC), 2012.

Baltimore City Maryland - Design Build Advisory Committee, 2012.

Department of Fire Protection Engineering – University of Maryland
Senior Capstone Design Project Review Panel – 2013 and 2014
Fire Protection Alumni Club – Trustee and Steering Committee 2016 – 2017
Fire Protection Alumni Club – President 2018-2019, Past President 2020-2021

State of Maryland – Governor’s Task Force to Study Small & Minority Design Firm Participation in State Procurement – 2015

State of Maryland – Governor’s Legislative Work Group to Study Fire Sprinkler Contractor Licensing in the State of Maryland – 1996

Professional Affiliations

American Council of Engineering Companies / Maryland (ACEC/MD)- National Director 2013-2014 / National Alternate Director 2012-2013 / President 2011-2012 / Vice President 2010-2011 / Treasurer 2009-2010 / Secretary 2008-2009 / Director 2006-2008 / ACEC MD Fellow 2012

The Council of American Mechanical and Electrical Engineers (CAMEE) – National Executive Committee – Chair Elect 2015-2017. National Chair 2017-2019 – Past National Chair 2019-2021

Chesapeake Area Society for Healthcare Engineering (CASHE) – Associate Member
CASHE – Education and Program Co-Chair, Board Member, 2009-Present
CASHE – Associate Board (CAB) 2012-2014

Capital Region Fire Sprinkler Association (CRFSA) – Member
Society of Fire Protection Engineers (SFPE): International Member
SFPE – Chesapeake Bay Chapter – Member
National Fire Sprinkler Association (NFSA): Member
American Fire Sprinkler Association (AFSA) - Designer Member
National Fire Protection Association (NFPA) – Member and A.E.B.O Section
International Code Council (ICC) - Member
American Society for Healthcare Engineering (ASHE) - Member
National Association of Fire Investigators (NAFI) – Member
International Association of Arson Investigators (IAAI) – Member



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Publications

Fire Sprinkler and Smoke Control Coordination and Interface - Design Concepts – SprinklerAge Magazine – April 2010

Residential Fire Sprinkler Insulation – SprinklerAge Magazine – April 2011

Technical Seminars Development and Teaching

Chesapeake Area Society of Healthcare Engineers (CASHE) – Dry-Pipe Fire Sprinkler Systems – Inspection, Maintenance & System Integrity Concerns and Mitigation - Development and Instructor – 2023

Maryland Society of Professional Engineers (MDSPE) – Dry-Pipe Fire Sprinkler Systems – Inspection, Maintenance & System Integrity Concerns and Mitigation - Development and Instructor – 2023

Maryland Society of Professional Engineers (MDSPE) – Fire Protection Water Flow Tests: Pitfalls, Uncertainties, Concerns – Development and Instructor – 2020, 2022

Pennsylvania Society of Healthcare Facility Engineers (PSHFE) – Life Safety Seminar on Fire Barrier Management – Development and Instructor – 2015, 2016, 2017

Baltimore Power Group – Facility Managers – The Owner’s Role with Inspection, Testing and Maintenance – Development and Instructor – 2019, 2022

National Park Service (NPS) – NFPA 101 – Life Safety Code 3 Day Seminar – Development and Instructor - 2003-2004

IEEE Spring Seminar – Fire Pump Application per NFPA 20 and NFPA 70, 1 Day Seminar – Development and Instructor - 2003

IEEE Spring Seminar – Fire Alarm and Occupant Notification Systems per NFPA 72, 1 Day Seminar – Development and Instructor – 2004

Chesapeake Area Society of Healthcare Engineers (CASHE) – Fire Barrier Management Training and Practical Exercise – 2016, 2017, 2019, 2022, 2023 and 2024

ASHRAE Baltimore Chapter – Smoke Control and Smoke Management Systems per NFPA 92

AFAA Chesapeake Chapter - Smoke Control and Smoke Management Systems per NFPA 92



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Professional History

2000-Present Principal Code Consultant and Fire Protection Engineer
EBL Engineers, LLC

Responsible for directing activities of mechanical, electrical, fire protection and, code consulting departments. Technical responsibilities include engineering design and consultation. Primary emphasis on building code, life safety code and fire protection system consulting, performing fire hazard analysis using computer fire modeling and fire litigation support.

1997 - 2000 Vice President/Principal Fire Protection Engineer
EBL Fire Engineering

Officer of the corporation, fire protection department head responsible for direction of all activities related to the progressive development of the department. Technical responsibilities include management of the fire protection engineering department and direction of departmental activities in all aspects of engineering consultation. Primary emphasis on building code, life safety code and fire protection system consulting, performing fire hazard analysis using computer fire modeling and fire litigation support.

1993 - 1997 Associate/Chief Fire Protection Engineer
EBL Fire Engineering

Responsibilities include management of the fire protection engineering department and direction of departmental activities in all aspects of engineering consultation. Primary emphasis is on building code, life safety code and fire protection system consulting, performing fire hazard analysis using computer fire modeling and fire litigation support.

1988 - 1993 Fire Protection Team Leader
EBL Fire Engineering

Responsibilities included directing the activities of engineers and designers in the preparation of fire protection engineering design documents. Additional responsibilities included building and life safety code analysis and preparing information for expert witness consultation.

1986 - 1988 Fire Protection Engineer
Hanna Fire Engineering Corporation - Towson, Maryland

Responsibilities included design of fire suppression and fire detection systems. Additional responsibilities included building and life safety code consultation and preparing information for expert witness consultation.

1983 - 1987 *Abingdon Volunteer Fire Department - Abingdon, Maryland*
Position: Firefighter and Emergency Medical Technician



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Supplemental Educational Information

Course Work Synopsis - University of MD, Undergraduate – (May 1987)	
Introduction to Fire Protection Engineering	Fire Protection Fluids
Functional & Life Safety Analysis	Basic Fluid Mechanics
Fundamentals of Engineering Materials	Industrial Safety I
Fire Protection Systems Design I&II	Pyrometrics of Materials
Environmental Aspects of Nuclear Engineering	Fire Protection Problem Synthesis & Design
Thermodynamics	Fire Protection Hydraulic Design
Fire Dynamics	Fire Protection Hazard Analysis
Heat Transfer Applications in Fire Protection Engineering	

Course Work Synopsis - University of MD, Graduate (May 2006)	
ENFP 627 – Smoke Detection and Management	ENFP 622 – Advanced Fire Risk Assessment
ENFP 629A – Advanced Fire Dynamics	ENFP 621 – Analytical Procedures of Structural Fire Protection
ENFP 625 – Advanced Fire Modeling	ENFP 629C – Advanced Fire Suppression
ENFP 629B – Fire Assessment Methods	ENFP 629E – Performance Based Design
ENFP 629D – Forensic Fire Analysis	ENFP 629I – Human Response to Fire