



EBL FIRE ENGINEERING

Division of EBL Engineers, LLC

Fire Protection

Life Safety

Code Compliance



Jeffery P. McBride, PE
Principal Fire Protection Engineer

Professional Registrations

Registered Professional Engineering (Fire Protection):

State of Maryland, No. 18546
State of New Jersey, No. 24GE04273000
State of Connecticut, No. 25827
State of Delaware, No. 14961
State of Kentucky, No. 25686
State of California, No. FP-1680
State of West Virginia, No. 17617
State of New York, No. 085743-1
State of Arizona, No. 50042

Commonwealth of Pennsylvania, No. 042276-R
Commonwealth of Virginia, No. 22058
Commonwealth of Massachusetts, No. 46971

District of Columbia, No. PE11059

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

Professional Education

Master of Engineering, Fire Protection, University of Maryland, 2006.

Bachelors 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

SFPE – Introduction to Fire Dynamics Simulator and Smokeview Seminar – March 2003

SFPE – Tenability Systems for Smoke Management Seminar – March 2003

SFPE – Advanced Fire Dynamics Simulator and Smokeview Seminar – October 2007

NFPA Fire and Explosion Investigations (NFPA 921) Seminar – February 2011

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, Committee Chair

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, Alternate

NFPA 72 – Single-and Multiple Station Alarms and Household Fire Alarm Systems, 2004-Present, Alternate



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Resume continued

Professional Committee Work

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

Baltimore City Maryland - Design Build Advisory Committee, 2012 – Present.

Department of Fire Protection Engineering – University of Maryland – Senior Capstone Design Project Review Panel - 2013

Professional Affiliations

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

American Council of Engineering Companies / Metro Washington (ACEC/MW) - Member

Chesapeake Area Society for Healthcare Engineering (CASHE) – Associate Member

CASHE – Education and Program Co-Chair 2009-Present

CASHE – Associate Board (CAB) 2012-2014

The Pennsylvania Society for Health Facility Engineering (PSHFE) – Member

Virginia Society of Healthcare Engineers (VSHE) - Member

Society of Fire Protection Engineers (SFPE): International Member

SFPE – Chesapeake Bay Chapter - Committee Chair, Constitution and By Laws, 2007-Present

National Fire Sprinkler Association (NFSA): Member

NFSA Capital Region Chapter – Treasurer 2012 – Present.

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 Institute of Architects (AIA), Baltimore Chapter – Professional Affiliate

American Society for Healthcare Engineering (ASHE) - Member

National Association of Fire Investigators (NAFI) – Member

International Association of Arson Investigators (IAAI) – Member

American Boat & Yacht Council (AYBC) - Member

American Bureau of Shipping (ABC) - Member

Publications

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

Residential Fire Sprinkler Insulation – SprinklerAge Magazine – April 2011



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Resume continued

Professional History

2000-Present Director of Engineering Operations/Principal 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.



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Resume continued

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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Resume continued

Supplemental 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