

Barrier Management Symposium

Produced by

The Joint Commission
American Society for Healthcare Engineering
Underwriters Laboratories
Firestop Contractors International Association

Hosted By:
ASHE Region 5



Riley Outpatient Center ~
Indianapolis, IN
July 27 & 28, 2015

Barrier Management Symposium – AGENDA (Draft)

Produced by The Joint Commission, ASHE, UL & FCIA

The Joint Commission (TJC), the American Society for Healthcare Engineering (ASHE), Underwriters Laboratories (UL) and the Firestop Contractors International Association (FCIA) welcome you to a comprehensive and informative new symposium for healthcare engineering and healthcare professionals.

Fire and Smoke Barriers installed in buildings are living elements of the structure. They are there to protect healthcare building occupants and used for horizontal evacuation of areas to fire or smoke resistant zones. These barriers and their 'features' form Effective Compartmentation. Fire and Smoke Barrier Management Systems in building design and operations is critical to maximize property protection, minimize death and injury and facilitate entry and travel in structures for emergency responders.

This Barrier Management Symposium focuses on the Proper DIIM – Design, Installation, Inspection and Maintenance of Fire and Smoke Barriers that make Effective Compartmentation in Healthcare Facilities work at the time they are called upon by fire and smoke.

The program educates about testing that qualifies the products for use, code requirements, installation and inspection, then management and maintenance for ongoing reliability of the installed fire resistance rated and smoke resistant products. These products become SYSTEMS when they are properly 'DIIM'd. Video presentations and an explanation of how each design element is tested to assess compliance with standard and code requirements in addition to the technologies are all included in this Symposium.

The Symposium is designed to increase the awareness of the Healthcare Engineering Professional of the value Barrier Management Systems have while understanding the underlying keys to their long term success.

Information gained from this symposium will allow you to:

- Focus - on technologies that have protected buildings for centuries.
- Manage – Manage the product and system evaluation, installation, inspection and maintenance of fire and smoke barrier components as a complete system. These systems are integrated to work together providing reliable building safety.
- Improve – the built environment for the healthcare facility that demand the best in fire and life safety through effective compartmentation.
- Increase - knowledge about how to purchase, evaluate and manage all effective compartmentation technologies

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AGENDA – Casual Dress

	Topic	Speaker
Day 1	Arrivals	
1:00 pm – 1:30 pm	Welcome & Remarks	ASHE Chapter Jonathan Flannery, ASHE Advocacy Bill McHugh, FCIA
1:30 pm – 1:45 pm	TJC Perspective 'Systems'	Anne Guglielmo, The Joint Commission
1:45 pm – 2:45 pm	Barrier Fundamentals & Systems	Bill Koffel, Koffel Associates, Representing FCIA
2:45 pm – 3:00 pm	Break	
3:00 pm – 4:00 pm	Testing for Fire Resistance and Smoke Resistant Systems	<ul style="list-style-type: none"> ▪ Rich Walke, UL – Testing & certification of all components of fire resistance rated assemblies including the wall, ceiling and features that complete Fire and Smoke Barrier Continuity
4:00 pm – 4:45 pm	Gypsum Industry	<ul style="list-style-type: none"> ▪ Gypsum Industry - Bob Grupe, Grupe Consulting, LLC or Nestor Sanchez USG Corp.,
4:45 pm – 5:00 pm	Break	
5:00 pm – 5:30 pm	Concrete & Masonry	<ul style="list-style-type: none"> ▪ National Concrete Masonry Association
5:30 pm – 6:30 pm	Joint Commission Update	<ul style="list-style-type: none"> ▪ Anne Guglielmo, The Joint Commission
	Topic	Speaker
Day 2		
9:00 am – 10:30 am	Firestopping – Penetrations and Joints	<ul style="list-style-type: none"> ▪ Firestop Industry - Bill McHugh –Firestop Contractors International Association (FCIA)
10:30 am – 10:45 am	Break	
10:45 am – 12:00 pm	Swinging Fire Doors & Hardware	<ul style="list-style-type: none"> ▪ Fire Doors - Paul Bailargeon, Door and Hardware Institute
12:00 pm – 1:00 pm	LUNCH	
1:00 pm – 2:15 pm	Fire & Smoke Dampers	<ul style="list-style-type: none"> ▪ Fire and Smoke Damper Industry - Marc Sorge or Mark Belke, GREENHECK, Inc.
2:15 pm – 2:30 pm	Break	
2:30 pm – 3:00 pm	Fire Rated Glazing	<ul style="list-style-type: none"> ▪ Fire Rated Glazing Industry
3:00 pm – 3:45 pm	Barrier Management Systems Options	<ul style="list-style-type: none"> ▪ Anne Guglielmo, The Joint Commission, ▪ Bill McHugh, FCIA,
3:45 pm – 4:00: pm	Barrier Management Symposium Wrap-up	Bill McHugh, FCIA Jonathan Flannery, ASHE

Barrier Management Symposium

Symposium Presenter Bios & Contacts

Anne Guglielmo, The Joint Commission

Anne is an Associate Director in the Standards Interpretation Group at The Joint Commission serving as one of four engineers. In this role, she provides interpretation of standards, reviews equivalency and extension requests, conducts periodic performance review conference calls, serves as faculty for educational programs and conducts surveys.

Anne came to The Joint Commission in 2010 with ten years experience in Fire Protection Engineering. Prior to joining The Joint Commission she worked as a Fire Protection Engineer in the Design and Construction Industry reviewing plans for fire protection and life safety code compliance, field survey and documentation, preparing and presenting project submittals, energy code compliance modeling and project equivalency identification and preparation. She is a Certified Fire Protection Specialist (CFPS) and a Leadership in Energy and Environmental Design Accredited Professional (LEED A.P.), and a member of the NFPA, SFPE, and the ICC.

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Bill Koffel, FSFPE, Koffel Associates, Inc.

Bill is President of Koffel Associates, a fire protection and life safety engineering design and consulting firm, recognized as an expert in the fire protection and life safety aspects of codes and standards. Headquartered in the Baltimore-Washington metropolitan area with two New England offices, the firm provides consulting; engineering design & construction administration; codes & standards development; seminar development & training; product testing & evaluation / representation; and litigation support to public & private clients worldwide.

Bill remains active in the development process of the industry's governing codes, standards and design guidelines including International Code Council (ICC), NFPA, Society of Fire Protection Engineers (SFPE) and Underwriters Laboratory (UL). As former code official with the Maryland State Fire Marshal's Office, he was conducted licensure, certification, and accreditation surveys of various health care facilities. Bill serves on numerous NFPA Technical Committees including the Life Safety Technical Committee on Health Care Occupancies and serving as the Chair of the Life Safety Correlating Committee.

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Richard N. Walke, Regulatory Services, UL LLC

Rich is a Senior Regulatory Engineer with the Regulatory Services Department of UL, LLC. (UL) in Northbrook, IL. He has been engaged in engineering, research for 35+ years.

Prior to assuming responsibility in the Regulatory Services Department, he was responsible for fire protection services provided to the architectural and contracting communities. This included responding to day to day inquiries, providing engineering judgments, providing educational seminars, developing internet based training programs, and improving the format of information contained in the UL Directories and website. Prior to assuming responsibility for the architectural services area, Mr. Walke provided the supervisory and review activities of engineering investigations conducted on fire resistive construction, through-penetration firestop systems, joint systems, fire resistive electrical outlet boxes, electrical circuit protections systems, fire resistive grease and air ducts systems, interior finish building materials, air duct materials and solid fuel heating appliances.

Prior to undertaking supervisory positions, Mr. Walke was actively involved in the conduct of engineering investigations on interior finish building materials, electrical cable, air duct materials and solid fuel appliances. Mr. Walke received a Bachelor of Science Degree in Civil Engineering from Valparaiso University in 1976. He is currently a Certified Quality Engineering with the American Society for Quality Control and a UL LLC 'Distinguished Member of Technical Staff'.

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Nestor Sanchez, USG Corporation Fire Rated Walls, Ceilings, Floor/Ceiling Assemblies

Nestor has been with USG Corp. since 1994. His area of expertise at USG includes the evaluation of products and systems regarding their performance under fire conditions. This includes evaluation of USG Products and systems through testing and analysis in accordance with ASTM E84, E119, E136, and E814, UL 2079 and International Standards. Specific evaluations include the surface burning characteristics and combustibility of interior finishes, and the fire resistance of walls, floor and roof-ceiling assemblies, beams, columns, through penetration fire stop systems, construction joint and curtain wall systems.

Recently, Nestor has been a regular attendee at the International Code Council Building and Fire Code Development Hearings. He is also very active at ICC's Evaluation Services. Over the past several years, he has been relied upon by contractors, architects and building officials in matters related to fire and sound with USG Products. Prior to USG, he served in various roles at Underwriters Laboratories, Inc. since 1978, attaining Engineering Group Leader positions. He has a BS in Civil Engineering from Universidad de los Andes, Bogota, Columbia and an MBA from Lake Forest School of Management.

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Robert C. Grupe Jr., - Gypsum Industry Consultant - rep. Gypsum Industry;

Prior to starting a consulting company, Bob held numerous technical and management positions with US Gypsum. He joined the company in 1972 and held various roles in Research and Development, Architectural & Construction Services (corporate technical staff) and Technical Service. Further, current activities encompass product / system design, design consultation with architects and contractors. As a consultant, he also serves as Program Manager for the Steel Framing Industry Association building technical marketing programs for the industry.

Bob has authored numerous articles on fire, sound, structural and environmental concerns relative to gypsum and gypsum systems. He has provided international technical presentations on fire, structure and sound as it relates to walls and ceilings.

Bob was a member of the Board of Trustees – Chicago Architectural Foundation, Senior Fellow of Advisors Council of the Design Futures Council. He is also a member of the Chicago Committee of High Rise Buildings (Chairman of task force analyzing building movement) and Vice-Chair of the Committee on Education for the Association of the Walls and Ceilings Industries. Bob received a BSCE from the Illinois Institute of Technology.

Robert Group, Principal
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Paul Baillargeon, Door Hardware Institute (DHI) Door Safety & Security Foundation

A noted veteran in the door and hardware industry, Paul is a certified Architectural Hardware Consultant and Fire Door Assembly Inspector. He has been involved in the distribution and installation of doors and hardware since 1970 and has been an instructor in the DHI Education Program and member of the DHI Education Council.

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Marc Sorge, Damper Products - Greenheck Fan Corporation

Marc is the product manager for the Dampers business unit at Greenheck. He is a member of ASHRAE, AHRI, NFPA, and AMCA. Marc has over 14 years of experience in sales, marketing, and application at Greenheck.

He began his career working with Energy Recovery, Make Up Air and Industrial Space Heating Industries focusing on energy efficient products and systems. Currently Marc's responsibilities include managing the life safety damper product line along with supporting Greenheck's mechanical representative distribution network.

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Jonathan Flannery, American Society for Healthcare Engineering (ASHE)

Jonathan Flannery is a Certified Healthcare Facility Manager, and a Fellow of the American Society for Healthcare Engineering (ASHE) a personal membership group of the of the American Hospital Association. He is currently the Senior Associate Director of Advocacy for ASHE playing a key role in ASHE's advocacy program, which works for better codes and standards affecting health care facilities. Jonathan has 25 years of health care engineering experience, is a longtime ASHE member and continues to serve as part of ASHE's educational faculty. He serves on national panels and committees that develop regulations for the design and construction of health care facilities such as the International Code Council's Ad Hoc Committee on Healthcare, ASHRAE Standing Standard Project Committee 170 (SSPC 170) Ventilation of Health Care Facilities, ASHRAE SSPC 189.3 Design, Construction & Operation of Sustainable High Performance Health Care Facilities and the ASTM International Technical Advisory Committee for Building Enclosure Commissioning certification program.

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Bill McHugh, Executive Director

Firestop Contractors International Association (FCIA)

Bill has served as Executive Director of the FCIA since it's inception in 1998. FCIA promotes the proper design, installation, inspection and maintenance of firestopping and effective compartmentation through UL's Qualified Firestop Contractor Program & FM 4991 Approval of Firestop Contractors, ASTM E 2174 / ASTM E 2393 Standards for the Inspection of Firestop Penetration and Joint Systems, IAS AC 291 Accredited Firestop Special Inspection Agencies, Maintenance to International Fire Code and NFPA 101 and FCIA's Firestop Manual of Practice.

Bill has spoken about firestopping and effective compartmentation in North America and the Middle East to ASHE Chapters, Construction Specifications Institute, Construction Specifications Canada, International Code Council, NFPA, building/fire code officials and many other groups. He has written numerous articles for and is publisher of FCIA's Life Safety Digest Magazine. His work has also been published in The Construction Specifier, Construction Specifications Canada, the Association of Licensed Architects, Maintenance Solutions, and other leading journals. He is publisher of Life Safety Digest, the magazine of Effective Compartmentation. Bill is a past Institute Director to the Board of Directors of the Construction Specifications Institute (CSI), participates at ASTM as a task group chair, serves on the International Accreditation Services Board of Directors and is active at the International Code Council Code Development Process and at NFPA on the Fire Protection Features Committee.

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