BUILDING FIRE-RESISTANCE SCAIVANCOUVER SYMPOSIUM



A WORD FROM FCIA'S BOARD PRESIDENT, JERRY DUGAN, JR.

As FCIA's 2022 President, let me please take this opportunity to welcome you to the FCIA Existing Building Fire-Resistance Symposium.

I would like to thank all our Contractor, Manufacturer, and Associate members in Canada who have supported and continue to support the FCIA, especially those who attend FCIA events such as this one, as well as webinars and all outreach programs. Your support, time, and energy invested in the Association is what makes FCIA able to trailblaze in advancements of and for the Specialty Firestop Installation Contractor in the construction industry in Canada.

This year and moving forward, I look forward to continuing to strengthen and promote the concept of the importance of the Specialty Firestop Contractor. We can do this through increased FCIA membership, growth in the number of 3rd party accredited contractors within the FM 4991 Approved or UL-ULC Qualified Contractor programs. These programs help develop the idea of a sole-source Firestop Installation Contractor that is committed to building- and life-safety.

Thanks to those who are involved in FCIA's Canada Committee, who plan these FCIA Symposiums. I would encourage anyone who is interested to please reach out and get involved with this Committee. If you're not on the Committee and are wondering why you should be, trust me when I say that it's because your opinions and expertise matter.

I'd like to thank the Board of Directors, Committee Chairs, and Members for all their continued hard work throughout the year thus far. Also, another huge thank you to the FCIA staff who make all of this possible and run so smoothly at every Conference & Symposium world-wide.

Finally, please mark your calendars for FIC '22, the FCIA Firestop Industry Conference & Trade Show. This year's event is scheduled for November 1st- November 4th at the beautiful Omni Amelia Island in Amelia Island, Florida. If you are able to attend, please do. We would love to see you there!

Thank you for your time and dedication to FCIA. Please reach out to myself, the FCIA Board Of Directors, or Bill and his staff if there is anything we can do to further support you and the firestop industry in Canada.

Have a tremendous event!

Jerry Dugan, Jr., 2022 FCIA Board President

"I believe life is about bettering yourself, every day, in everything you do. After all, you only get one chance in life. So why not better ourselves within our industry."

Jerry Dugan, Jr., 2022 FCIA Board President

2022 FCIA BOARD OF DIRECTORS

FCIA's Board of Directors is a very diverse and passionate group of Contractors. Each person has chosen to give back to the Association through serving on the Board, participating on Committee(s), and more.

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FCIA COMMITTEES NEED YOU...(TO JOIN AND GET INVOLVED)

FCIA Committees are comprised of FCIA Member volunteers who work together on various pieces of Association business, from Codes and Standards development to Marketing outreach and more. This collaboration is how we gain industry consensus on issues related to the improvement of fire and life safety in buildings around the globe and how we create opportunities for the growth of our industry.

Consider volunteering your time and talents with one of the following Committees. Contact the Committee Chair(s) or cathy@FCIA.org for additional information or to inquire about Joining a Committee. Detailed descriptions of each Committee can be found at www.FCIA.org/ABOUT-FCIA/Committees.

ACCREDITATION COMMITTEE

Ben Urcavich, DRI - Chair Performance Firestop, Inc. ben@performance-firestop.com Tyler Ferguson, DRI - Co-Vice Chair National Firestopping Solutions tylerf@nefirestop.com

Tracy Smith, DRI - Co-Vice Chair Firestop Southwest, Inc. tracys@firestopsouthwest.com

ADVISORY COMMITTEE

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CODE COMMITTEE

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FCIA COMMITTEES

FINANCE COMMITTEE

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INSPECTION COMMITTEE

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LIFE SAFETY DIGEST COMMITTEE

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MIDDLE EAST COMMITTEE

No Chair



PROGRAM COMMITTEE

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STANDARDS COMMITTEE

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TECHNICAL & EDUCATION COMMITTEE

Bob Hasting, DRI - Chair Specialty Firestop Systems rhasting@specialtyfirestop.com Ken Slama, DRI - Vice Chair National Firestop Ltd. kslama@nationalfirestop.com

TE TASK GROUP: FCIA MANUAL OF PRACTICE (MOP)

Ken Sl<mark>ama,</mark> DRI - Chair National Firestop Ltd. kslama@nationalfirestop.com

WHAT'S ON THE AGENDA?

PRE-REGISTRATION REQUIRED

The FCIA Existing Building Fire-Resistance Symposium is the premier event in Canada for the fire-resistancerated and smoke-resistant industry in Canada. The event features a full-day of education focused on the various elements of firestopping, including the 'DIIM' of Firestopping - 'D'esign, 'I'nstallation, 'I'nspection, and 'M'aintenance of Protection – and Barrier Management.

Note: Building Code Officials, Fire Marshals, Architects/Specifiers/Engineers at Design Firms, and Facility Management Personnel at Health Care or Educational Facilities are invited to attend the FCIA Existing Buildings Fire-Resistance Symposium for FREE on October 3.

All times listed are in PDT.

MONDAY, OCTOBER 3, 2022

ASIA PACIFIC HALL

7:30 am - 4:00 pm	Registration Open
7:30 am - 8:15 am	Continental Breakfast Sponsored by TBD
8:15 am - 8:45 am	FCIA Welcome & Association Comments Bill McHugh, FCIA
8:45 am - 9:30 am	Fire-Separations, Firestopping, & Code Requirements Rich Walke, CTI Bill McHugh, FCIA
9:30 am - 10:30 am	Firestop Design, Installation, & Inspection Bill McHugh, FCIA Brian Bray, UL
10:30 am - 10:45 am	Break Sponsored by TBD
10:45 am - 11:45 am	Perimeter Fire Containment Rich Walke, CTI
11:45 am - 12:45 pm	Luncheon Sponsored by TBD
12:45 pm - 1:45 pm	MWT/CLT & Firestopping: Can This Work? Matthew Winston, HILTI Julio Lopes, STI Kevin Hyland, UL
1:45 pm - 2:45 pm	Firestopping Basics for Combustible Pipes Julio Lopes, STI Scott Milburn, Aquatherm Cory Norman, P.Eng, IPEX, Inc Matthew Winston, HILTI
2:45 pm - 3:00 pm	Break Sponsored by TBD



By entering and your presence here, you consent to be photographed, filmed, and/or otherwise recorded. Your entry constitutes your consent to such photography, filming, and/or recording and allows Firestop Contractors International Association (FCIA), its licensees, assigns, successors in interest, and legal representation the irrevocable right to any use, in any and all media throughout the universe in perpetuity, or your appearance, voice, and name for any purpose whatsoever in connection with the production of the FCIA Existing Building Fire-Resistance Symposium 2022.

WHAT'S ON THE AGENDA?

3:00 pm – 4:00 pm Maintaining Protection: Best Practices for Facility Directors

Bill McHugh, FCIA

4:00 pm Closing Remarks

Bill McHugh, FCIA

TUESDAY, OCTOBER 4, 2022

EXECUTIVE MEETING ROOM 470

7:30 am – 12:00 pm Registration Open

7:30 am - 8:00 am Continental Breakfast for Quality Management System and Firestop

Exam Education Session Attendees

Sponsored by TBD

8:00 am - 10:00 am FCIA Education for the FM & ULC Firestop Exams

Bill McHugh, FCIA

10:00 am - 10:15 am Break

Sponsored by TBD

10:15 am - 11:15 am FCIA Education for the FM & ULC Firestop Exams continued

11:15 am - 12:30 pm FCIA Management System Manual Development Education

Bill McHugh, FCIA | Brian Bray, UL Canada

12:30 pm - 1:00 pm Lunch for FM & ULC Firestop Exam Education Session Attendees

1:00 pm - 4:00 pm FM & ULC Firestop Exam for DRI Candidates & Inspection Personnel

Note: The ULC Firestop Exam is an OPEN BOOK exam. ULC Exam Participants MUST provide their own copy of the FCIA Manual of Practice. The ULC Addendum covers questions specific to Canada. The FM Firestop Exam DOES

NOT allow use of the MOP during the exam.

Make your plans to attend ECA '23, the FCIA Education & Committee Action Conference, heading to the Sheraton New Orleans May 9-12, 2023!



SESSION DESCRIPTIONS

MONDAY, OCTOBER 3, 2022

8:45 am - 9:30 am
Fire-Separations, Firestopping, & Code

Requirements

Rich Walke, CTI | Bill McHugh, FCIA

The National Research Council (NRC) of Canada manages the National Building and Fire Codes of Canada (NBCC, NFCC) development processes for fire-resistance, roofing and energy, and more. Learn about new developments in the 2020 NBCC and more.

9:30 am - 10:30 am
Firestop Design, Installation, and
Inspection
Bill McHugh, FCIA | Brian Bray, UL
Solutions

This session looks at the design requirements for various applications, including head-of-wall joints, gypsum wallboard penetrations, intumescent designs, and more. Then, we'll discuss the installation requirements for these applications, including installation challenges and solutions, and how to inspect these installed systems.

10:45 am - 11:45 am Perimeter Fire-Containment Rich Walke, CTI

This program focuses on perimeter firecontainment systems, including the fire test standards developments over the years, code requirements, advantages, and disadvantages of configurations. We'll take a particularly close look at the incorporation of ASTM E2307 into CAN/ULC-S115, Standard Method of Fire Tests of Firestop Systems.

12:45 am - 1:45 pm MWT/CLT & Firestopping: Can This Work?

Julio Lopes, STI | Matthew Winston, HILTI

The evolution of Mass Wood Timber (MWT) and Cross-Laminated Timber (CLT) buildings has driven code changes and interest in the

construction industry. The result is that MWT/CLT buildings are growing in number, accompanied by the ability to go higher than ever before. In Canada, there is anticipation for formal adoption of Encapsulated Mass Timber Construction (EMTC) within the National Building Code of Canada. This presentation looks at the efforts made to address one aspect of fire protection in MWT/CLT buildings: firestop.

1:45 pm - 2:45 pm

Firestopping Basics for Combustible Pipes

Julio Lopes, STI | Scott Milburn, Aquatherm | Cory Norman, P.Eng, IPEX, Inc. | Matthew Winston, HILTI

Combustible pipes are being used with increasing regularity in the construction industry. But there are obvious limitations to properly firestopping these penetrations. Hear from this manufacturer panel as they discuss proper firestop installation practices, problem situations, solutions, and more.

3:00 pm - 4:00 pm Maintaining Protection: Best Practices for Facility Directors Bill McHugh, FCIA

The National Fire Code of Canada, the International Fire Code, the NFPA 1 Fire Code. the NFPA 101 Life Safety Code, and other Fire Codes have requirements for maintaining fireresistance protection in existing buildings. The codes also reference Standards - the key to establishing fire-resistance ratings. build a program that maintains fire-resistance protection, documentation of the built systems is needed as the building is handed over to the building owner and manager. This means Division 1 of Specifications must communicate what's needed. owners and managers may not be aware of the requirements and their responsibility for maintaining protection of these barriers. This session covers the code requirements for maintaining protection in existing buildings, including an Inventory of Fire-Resistance-Rated new and archaic assemblies.

SESSION DESCRIPTIONS

TUESDAY, OCTOBER 4, 2022

8:00 am -10:00 am
FCIA Education for the FM & ULC
Firestop Exams*

Rich Walke, CTI | Bill McHugh, FCIA

The FM & ULC Firestop Exams are based on FCIA's Firestop Manual of Practice (MOP). the FM & ULC program guides, and systems selection and analysis. These exams are used for contractor personnel to become FM 4991 Approved Contractor and/or ULC Qualified Contractor Program DRIs. For Special Inspectors, passing the exam proves firestopping competency to the Authority Having Jurisdiction (AHJ), required by the IBC's Chapter 17. Passing an exam is also a requirement in IAS AC 291 for the Inspector to become a Responsible Person. The Test Prep Sessions help prepare individuals for the FM & ULC Firestop Exams and help support individual preparation for these rigorous exams, further strengthening your firestopping knowledge.

*This program IS NO SUBSTITUTE for reading FCIA's Firestop Manual of Practice and studying the FM & ULC program guides and systems selection and analysis before the exams.

11:15 am - 12:30 pm
Quality Management System Manual
Development Education
Bill McHugh, FCIA | Brian Bray, UL
Solutions

Pursuing FM 4991 Approval, ULC Qualification, or IAS AC 291 Accreditation? This session takes an in-depth look at the Quality Management System Manual required by these programs and contains tips for how to write one for your company. It also covers what questions might be on the exam – both quality management and firestopping.

1:00 pm - 4:00 pm FM & ULC Firestop Exam for DRI Candidates & Inspection Personnel

Note: The ULC Firestop Exam is an OPEN BOOK exam. ULC Exam Participants MUST provide your own copy of the FCIA Manual of Practice. The ULC Addendum covers questions specific to Canada. The FM Firestop Exam DOES NOT allow use of the MOP during the exam.



Brian Bray, Lead Field Specialist

Brian Bray is currently working for Underwriters Laboratories as a Lead Field Specialist conducting Factory and Quality System Audits. Involved in Firestop review and certification for the ULC Firestop program, he has international experience in third party assessment and pre-contract reviews, as well as experience in conducting, implementing, and executing sampling plans for the destructive and reliability testing for the high frequency telecom market.

Brian has been working in the Quality and ISO certification field for the past 33 years as both an internal/external lead auditor in North America/Europe. Senior member of ASQ (American Standard of Quality).

Underwriters Laboratories of Canada Inc. 6505, Trans-Canada Hwy., Suite 330 St. Laurent, QC H4T 1S3 Canada



Julio Lopes, CFPS, Senior Engineering Manager

Julio Lopes is a 2001 graduate from Rutgers University College of Engineering with a degree in Industrial and Systems Engineering. Mr. Lopes is a Certified Fire Protection Specialist (CFPS), a certification provided by the NFPA Certification Department in the U.S.A. During his 21-year career he has served in various technical roles for Specified Technologies Inc. Mr. Lopes has spent considerable time providing technical support, on product development, and on fire testing and certification to support projects on land, marine, and offshore industries across the globe.

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Bill McHugh, Executive Director

Bill McHugh has been the Executive Director of the Firestop Contractors International Association (FCIA) for the past 20 years. He has been in the construction industry 39 years specializing in fire-resistance, roofing, and waterproofing.

Bill participates in the Code Development processes at the National Fire Protection Association (NFPA), International Code Council (ICC), State of Illinois and City of Chicago. He has served on the ICC's 'Fire Safety' Code Development Committee, serves on the Fire Protection Features Committee at NFPA, and is a past member of the International Accreditation Services (IAS) Board of Directors. At the American Society for Healthcare Engineering (ASHE), he serves as organizer and moderator for the ASHE/TJC/FCIA/UL Barrier Management Symposiums. He is also a past Institute Director, Chapter and Region President at the Construction Specifications Institute.

At FCIA, Bill produces Life Safety Digest, the Magazine of Effective Compartmentation, is principal author of the FCIA Firestop Manual of Practice, organizes and speaks at FCIA's Conferences, Webinars and Symposiums, and liaisons with many other associations.

FCIA 4415 W. Harrison, Suite 540 Hillside, IL 60162





Scott Milburn, Applications Engineer

Scott Milburn received his BS in Mechanical Engineering from Brigham Young University. He currently works for Aquatherm, a manufacturer of polypropylene piping systems used in plumbing, hydronic, RO/DI and chemical process systems. He has worked at Aquatherm for a total of 8 years, with the past 4 holding the position of applications engineer.

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Cory Norman, P.Eng., Regional Engineer - Mechanical, Western Canada

Cory Norman, P.Eng., is a professional engineer who studied mechanical engineering at the University of Alberta and the Northern Alberta Institute of Technology. He started his professional career with Hilti educating the BC market on proper firestop practices from design to installation.

After a move to Jensen Hughes (formerly Gage Babcock & Associates), Cory developed his understanding of the building code while providing clients with alternative solutions & firestop engineering judgements. Cory currently supports the plumbing/industrial thermoplastic piping business for IPEX as the regional engineer for western Canada.

IPEX Inc. 20460 Duncan Way Langley, BC V3A 7A3 Canada



Rich Walke, Technical Director

Rich Walke is the Technical Director of Creative Technology Inc., providing consulting and training services for the fire protection and code enforcement communities, including The McHugh Company and the Firestop Contractors International Association.

Previously, Rich had been employed by UL for 43 years, focusing on fireresistance-rated construction and the protection of breaches in those assemblies. During that time, Rich was involved in testing, standards development, code development, and providing technical assistance and training to architects, engineers, contractors and code officials.

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Matthew Winston, Testing and Approvals Engineer

Matt Winston is actively engaged in the field of fire protection engineering, currently holds the certified fire protection specialist (CFPS) designation and has passed the P.E. exam in Fire Fire Protection Engineering. He has completed an M.S. in Fire Protection Engineering at California Polytechnic State University, San Luis Obispo, and a B.S. in Engineering Sciences from California State University Bakersfield.

Matthew began a career in fire protection by volunteering as a fire fighter in California. He went on to work for Jorgensen Company where he gained experience with fire suppression systems, fire alarm systems, and fire extinguishers.

Matthew has been with Hilti North America for five years and currently works as the Testing and Approvals Engineer for firestops.

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MANUFACTURER MEMBER SPONSORS

FCIA Manufacturer Member Sponsors have made a corporate commitment to the continued advancement of the firestop and effective compartmentation industry, a corporate commitment to supporting your Association and the work the FCIA does. Join us in thanking our Manufacturer Member Sponsors for their generous support of this year's educational program, activities, and amenities.

PLATINUM







GOLD





SILVER











NOTES		



BUILDING FIRE-RESISTANCE STIVANCOUVER SYMPOSIUM

