

FCIA 



EXISTING BUILDING FIRE-RESISTANCE SYMPOSIUM

**20-22
SEPT | OTTAWA**

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WHAT'S ON THE AGENDA?

PRE-REGISTRATION REQUIRED

FCIA Education for the Firestop Exams Sessions help FCIA Members attain and maintain FM 4991 Approved or ULC Qualified Firestop DRI status, Firestop Inspectors to prove competence to AHJ's or International Accreditation Services IAS AC 291 Special Inspection Agency responsible individual status.

All times listed are in EDT.

WEDNESDAY, SEPTEMBER 20, 2023

NETWORK (2ND FLOOR)

- 7:30 am - 12:00 pm Firestop Exam Registration Open
- 7:30 am - 8:00 am Continental Breakfast for Quality Management System and Firestop Exam Education Session Attendees
- 8:00 am - 10:00 am FCIA Education for the FM & ULC Firestop Exams
Bill McHugh, FCIA | Rich Walke, CTI
- 10:00 am - 10:15 am Break
- 10:15 am - 11:15 am FCIA Education for the FM & ULC Firestop Exams, continued
- 11:15 am - 12:30 pm Quality Management System Manual Development Education
Brian Bray, UL Solutions | Bill McHugh, FCIA | Rich Walke, CTI
- 12:30 pm - 1:00 pm Luncheon
- 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.



"I believe that the future of the firestopping industry lies in education and awareness. I am passionate about educating as many people as we possibly can. The more people that fully understand why firestopping needs to be installed properly, the better chance we have at continuing to push this profession in a positive direction."

Tyler Ferguson
Tyler Ferguson
2023 FCIA Board President

WHAT'S ON THE AGENDA?

PRE-REGISTRATION REQUIRED

CANADA '23 brings together industry experts and firestop professionals for instructive education and insights on fire and life safety to drive the progress of the fire-resistance-rated and smoke-resistant industries. Here, we'll tie together progressive ideas with actionable strategies to ensure safer buildings throughout Canada.

All times listed are in EDT.

THURSDAY, SEPTEMBER 21, 2023

CELTIC BALLROOM (LOWER LEVEL)

7:30 am – 4:00 pm	Symposium Registration Open
7:30 am – 8:00 am	Continental Breakfast
8:00 am – 8:30 am	FCIA & NFCA: The Visions, The Missions, The Associations <i>Bill McHugh, FCIA & NFCA</i>
8:30 am - 9:30 am	Structural Fire-Resistance, Fire-Separations, Firestopping, & Code Requirements <i>John Dalton, P.E., GCP Bill McHugh, FCIA & NFCA Rich Walke, CTI</i>
9:30 am - 9:45 am	Break
9:45 am – 10:30 am	NRC and Structural Fire-Resistance <i>André Laroche, NRC</i>
10:30 am – 10:45 am	Break
10:45 am - 11:45 am	Fire-Resistance Installation & Inspection <i>Brian Bray, UL Solutions Bill McHugh, FCIA & NFCA</i>
11:45 am - 12:30 pm	Luncheon <i>Sponsored by Aries Contracting, Inc.</i>
12:30 pm - 1:30 pm	Perimeter Fire Containment <i>Kevin Hyland, UL Solutions Rich Walke, CTI</i>
1:30 pm - 2:30 pm	MWT/CLT & Fire-Resistance: Can This Work? <i>Kevin Hyland, UL Solutions Julio Lopes, STI Matthew Winston, HILTI</i>
2:30 pm - 2:45 pm	Break
2:45 pm - 3:45 pm	Firestopping Basics for Combustible Pipes <i>Julio Lopes, STI Scott Milburn, Aquatherm Matthew Winston, HILTI Kevin Yong-Ping, P.Eng., IPEX Inc.</i>

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) and/or National Fireproofing Contractors Association (NFCA), their 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-NFCA Existing Building Fire-Resistance Symposium Canada, CANADA '23.



WHAT'S ON THE AGENDA?

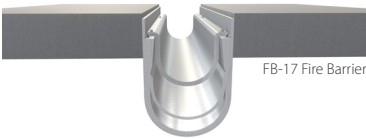
3:45 pm - 4:00 pm	Break
4:00 pm - 5:00 pm	Maintaining Protection: Best Practices for Facility Directors <i>Bill McHugh, FCIA & NFCA</i>
5:00 pm	Closing Remarks

FRIDAY, SEPTEMBER 22, 2023

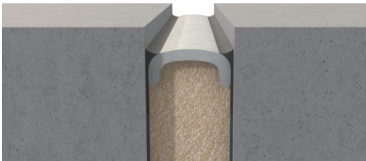
HOTEL LOBBY

8:45 am - 9:00 am	Meet in Hotel Lobby, Board Busses
9:15 am	Depart Hotel for NRC Fire Test Lab Facility Tour
10:00 am - 12:00 pm	NRC Fire Test Laboratory Facility Tour <i>1200 Montreal Road, Ottawa, ON</i>
12:00 pm - 12:30 pm	Boxed Lunch
12:30 pm - 1:30 pm	Board Busses and Return to Brookstreet Hotel

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SESSION DESCRIPTIONS

WEDNESDAY, SEPTEMBER 20, 2023

8:00 am - 11:15 am

FCIA Education for the FM & UL Firestop Exams

Bill McHugh, FCIA | Rich Walke, CTI

The FM & ULC Firestop Exams are based on FCIA's Firestop Manual of Practice (MOP), the FM & UL program guides, the Canadian supplement, and systems selection and analysis. These exams are used for contractor personnel to become FM 4991 Approved Contractor and 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 FCIA Education for the FM & ULC Firestop Exam education sessions help prepare individuals and support individual

preparation for these rigorous exams, further strengthening and developing firestopping knowledge.

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

11:15 am - 12:30 pm

Quality Management System Manual Development Education

Brian Bray, UL Solutions | Bill McHugh, FCIA | Rich Walke, CTI

This session takes an in-depth look at the Quality Management System Manual requirements for the FM 4991 Approved, ULC Qualified Firestop Contractor, and IAS AC 291 Accreditation programs. The session also provides tips and a framework for structuring and writing a comprehensive QMS Manual.

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SESSION DESCRIPTIONS

THURSDAY, SEPTEMBER 21, 2023

8:00 am - 8:30 am

FCIA & NFCA: The Visions, The Missions, The Associations *Bill McHugh, FCIA & NFCA*

You've heard of FCIA and NFCA, maybe you're even a new member, but what exactly do the Firestop Contractors International Association (FCIA) and National Fireproofing Contractors Association (NFCA) do?

In this session, you'll learn about the origins of the organizations, what the missions and guiding principles are, and how both groups advocate and work to further the fire and life safety industries.

8:30 am - 9:30 am

Structural Fire-Resistance, Fire-Separations, Firestopping, & Code Requirements

John Dalton, GCP | Bill McHugh, FCIA & NFCA | Rich Walke, CTI

Fire-Resistance, both structural and compartmentation, is an important part of an effective fire safety plan. Fire testing in accordance with ULC-S101 and installation per the manufacturer's installation instructions determines fire-resistance ratings - a key to fire protection.

This session takes an in-depth look at why structural fire-resistance and effective compartmentation is critical protection in buildings.

9:45 am - 10:30 am

NRC & Structural Fire-Resistance *André Laroche, NRC*

The National Research Council (NRC) of Canada is a world-renown organization in egress, fire-resistance, roofing, and many other construction disciplines.

This session focuses on the changes that were introduced with the 2020 edition of the National Model Codes and those proposals

currently under review for the 2025 edition. It will provide a brief description of the problem and rationale why the changes were developed.

The presentation will also include a brief overview of the revised code development system under which the National Model Codes will be developed in the future, as well as any potential outstanding items related to fire-resistance that may lead to further revisions.

10:45 am - 11:45 am

Fire-Resistance Installation & Inspection

Brian Bray, UL Solutions | Bill McHugh, FCIA & NFCA

This session looks at the UL-ULC Qualified Firestop and Fireproofing Contractor Programs and key management system requirements.

The session also takes a high-level look at firestopping and fireproofing inspection and why it makes sense that the NBCC should require inspection.

12:30 pm - 1:30 pm

Perimeter Fire Containment

Kevin Hyland, UL Solutions | Rich Walke, CTI

This program focuses on perimeter fire-containment 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*.

1:30 pm - 2:30 pm

MWT/CLT & Fire-Resistance: Can This Work?

Kevin Hyland, UL Solutions | 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: fire-resistance.

2:45 pm - 3:45 pm

Firestopping Basics for Combustible Pipes

Julio Lopes, STI | Scott Milburn, Aquatherm | Matthew Winston, HILTI | Kevin Yong-Ping, P.Eng., IPEX, Inc.

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.

4:00 pm - 5:00 pm

Maintaining Protection: Best Practices for Facility Directors

Bill McHugh, FCIA & NFCA

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 fire-resistance protection in existing buildings. To build a program that maintains structural 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.

This session covers the Code requirements for maintaining protection of structural fire-resistance in existing buildings, including an Inventory of Fire-Resistance-Rated new and archaic assemblies. The session also addresses Building Owner and Manager requirements and responsibilities for maintaining protection of these installed barriers as required by worldwide fire codes.



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