

## VIRTUAL

### FCIA Virtual 'DIIM' Symposium Canada GoToWebinar



The FCIA Virtual 'DIIM' Symposium Canada is the premier event focused on the fire-resistance-rated and smoke-resistance-rated industry in Canada. The event features three-days of education focused on the various elements of firestopping, including the 'DIIM' of Firestopping - 'D'esign, 'I'nstallation, 'I'nspection, and 'M'aintenance – as specifically related to the firestop industry in Canada. Due to COVID-19, the FCIA Virtual 'DIIM' Symposium Canada will be delivered via electronic platform.

#### REGISTRATION REQUIRED

### Wednesday, September 30, 2020

- 10:00 am – 10:30 am CDT      **FCIA President's Welcome & Association Comments**  
*Ben Urcavich, FCIA 2020 President | Bill McHugh, FCIA Executive Director*
- 10:30 am – 11:30 am CDT      **FCIA's 'DIIM': Firestop 101, An Executive Summary**  
*Bill McHugh, FCIA*  
FCIA's Proper 'D'esign, 'I'nstallation, 'I'nspection and 'M'aintenance ('DIIM') Program has been presented worldwide to Building Officials, Fire Marshals, Architects and Specifiers, Specialty Firestop Installation Contractors, and Consultants. In this session, hear about tested and listed systems; installation standards such as the FM 4991, Standard for the Approval of Firestop Contractors, the ULC Qualified Firestop Contractor Program, and the new UL Master Audit Certificate of Compliance Program; inspection to ASTM E 2174 and ASTM E 2393 Firestop Inspection Standards and what qualifications are required; and finally, learn about maintaining installed firestopping in existing buildings.
- 11:30 am – 12:15 pm CDT      **Circuit Integrity and Fuel-like Protection AND How to Avoid *This* Common Firestop Deficiency**  
*Eric De Amorim, STI*  
This presentation explains the code requirements and ASTM standards for circuit integrity and fuel-like protection applications. We will explore the difference between grease duct wrap vs endothermic wrap, as well as will cover the intrinsic installation methods that will guarantee a smooth and efficient installation / inspection. Finally, we will address the second most common firestop deficiency in Canada and the importance of maintaining proper joint area at the Head-of-Wall using filler mineral wool strips.
- 12:15 pm – 1:00 pm CDT      **National Building Code of Canada & Firestopping – Where Are We At?**  
*Andre Laroche, NRC*  
The National Building Code of Canada includes prescriptive requirements for firestopping. The requirements have slowly evolved over time since their first insertion into the Code in the late 70's/early 80's. Learn about how firestopping is achieved in Canada, including proposed changes considered for the next edition of the NBC, and outstanding issues still under discussion.
- 1:00 pm – 1:45 pm CDT      **Firestopping: Effective Compartmentation & Code Compliance**  
*Betty Turowec, 3M*  
Fire protection is a balanced design, involving detection, suppression, and containment. This session will focus on through-penetration firestop systems and their role in achieving effective compartmentation. Proper installation of firestop systems ensures fire-rated separations maintain continuity, protecting against the passage of fire, hot gases, and toxic smoke. Fulfilling these requirements is mandated by the National Building Code of Canada (NBC) to safeguard infrastructure, and more importantly, the people within.

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#### REGISTRATION REQUIRED

### Thursday, October 1, 2020

10:00 am – 11:00 am CDT

#### **NBC/NFC Fire-Resistance & Fire Separations Code Requirements**

*Tony Crimi, Member, NRC Committee on Fire Protection, AC Consulting Solutions, Inc.*

Fire-separations are continuous until they are penetrated by service penetrations, openings for doors, fire-dampers, windows, and other breaches in the assembly. Protection of structural building elements and assemblies are also critical to fire- and life-safety. Attend this session to learn the code requirements for fire-resistance, as well as some key proposals currently going through the NBC Code Development Process.

11:00 am – 11:45 am CDT

#### **Firestops in Mass Wood Timber Buildings**

*Matt Winston, HILTI*

The evolution of Mass Wood Timber (MWT) buildings has driven code changes and interest in the construction industry. The result is that MWT 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 buildings: firestop. Innovation in testing programs to-date have allowed firestop systems to keep pace with the acceleration of MWT building design. Those involved in MWT projects should look to tested solutions to ensure the highest level of protection from firestop systems.

11:45 am – 12:30 pm CDT

#### **Fire Codes & Fire-Separation Management – Existing Buildings**

*Bill McHugh, FCIA | Rich Walke, FCIA*

The fire-resistance provided by fire-separations is continuously in-service protecting people and property all year long. Learn what's required by fire codes, and how providing routine visual inspections can maintain protection for the life cycle of the building.

12:30 pm – 1:15 pm CDT

#### **Expansion Joint Fire Barriers: Principles, Practices, and Problems**

*Ben Stys, Inpro | Susanne Fouda, Inpro*

This presentation provides an overview of fire barriers as related to expansion joints, standard industry expansion joint fire barrier types, the test standards these systems need to pass in order to be classified as an expansion joint fire barrier system, and keys for proper installation of expansion joint fire barrier systems.

1:15 pm – 2:00 pm CDT

#### **Perimeter Fire Containment Systems: ASTM E2307 in CAN/ULC S115**

*Rick Roos, Rockwool*

There has been confusion for many years relating to the interpretation of building code requirements and the application of CAN/ULC S115 when it comes to perimeter fire containment systems. This presentation explains recent changes made to CAN/ULC S-115 and the requirements for fire resistance continuity of rated floor systems to unrated exterior walls.

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#### REGISTRATION REQUIRED

#### Friday, October 2, 2020

10:00 am – 11:00 am CDT

##### **UL's NEW MACC Program & the ULC QFCP**

***Ruben Sandoval, UL***

Attend this session to hear about UL's new program, the Master Certificate of Compliance (MACC). Part of the ULC Qualified Firestop Contractor Program (QFCP), the MACC is annually renewable and helps building owners and managers comply with fire code requirements that state the fire-resistance must be able to continuously provide protection – all year long. The program also covers key benefits associated with the ULC QFCP.

11:00 am – 11:45 am CDT

##### **Pre-Cured Firestop Applications**

***Steve Cooper, Balco/Rectorseal***

This session covers the protection of breaches in fire-resistance-rated and smoke-resistant assemblies with firestop solutions that can be applied without wet sealants or spray materials. The session will focus on solutions for existing buildings and will answer the question of how to treat joints in existing buildings to repair them properly.

11:45 am – 12:30 pm CDT

##### **Perimeter Fire-Containment: Common Misconceptions**

***Angie Ogino, Thermafiber, Inc.***

Detailing a building's perimeter fire containment system can be complicated. Typically, aesthetics, thermal performance, and moisture management design take precedence over properly detailing a perimeter fire containment system. Therefore, most often, a tested and listed system has to be incorporated once all the other building performance criteria has been set into the drawings. This can be challenging for the Specialty Firestop Installation Contractor to make sure that all the details required to keep fire from spreading through the interior perimeter joint are properly installed. This presentation will highlight the 5 common misconceptions when it comes to designing and installing a perimeter fire containment system.

12:30 pm – 12:45 pm CDT

##### **Closing Remarks**

***Bill McHugh, FCIA Executive Director | Ben Urcavich, FCIA 2020 President***



***Plan to attend FIC '20, FCIA's Firestop Industry Conference & Trade Show,  
at the Hyatt Regency Hill Country in San Antonio, TX this October 27-30, 2020!***

*"There are many opportunities for you to jump into our story; a story that is being written about the growth and development of the firestopping & fire- and life-safety industry."*

A handwritten signature in black ink, appearing to read "Ben Urcavich".

Ben Urcavich, 2020 FCIA Board President