

Institution of Fire Engineers



Canada Branch



*Proudly Presents*

*Continuing Education & Professional Development Event*

*"Preventing fire and smoke migration in commercial and residential high rise buildings"*

**Mr. Stu Brown**

**Senior Fire Protection Specialist; HILTI Canada**

Stuart Brown is a Senior Fire Protection Specialist for Hilti Canada Corp. His experience includes 5 years as a Firestop Specialist where he provides support and consultation for General Contractors, Installers, Architects and Building Officials throughout the province.

*Wednesday March 30, 2016  
09:30 AM – 12:00 Noon*

First Canadian Place Gallery  
First Canadian Place  
100 King Street West, Main floor

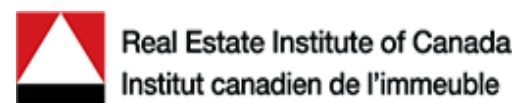
Non-IFE Members     \$40.00

IFE Canada Members     \$25.00

Coffee, tea and gourmet pastries.

To register, visit [www.ife.ca](http://www.ife.ca)

**INDUSTRY SUPPORTERS**



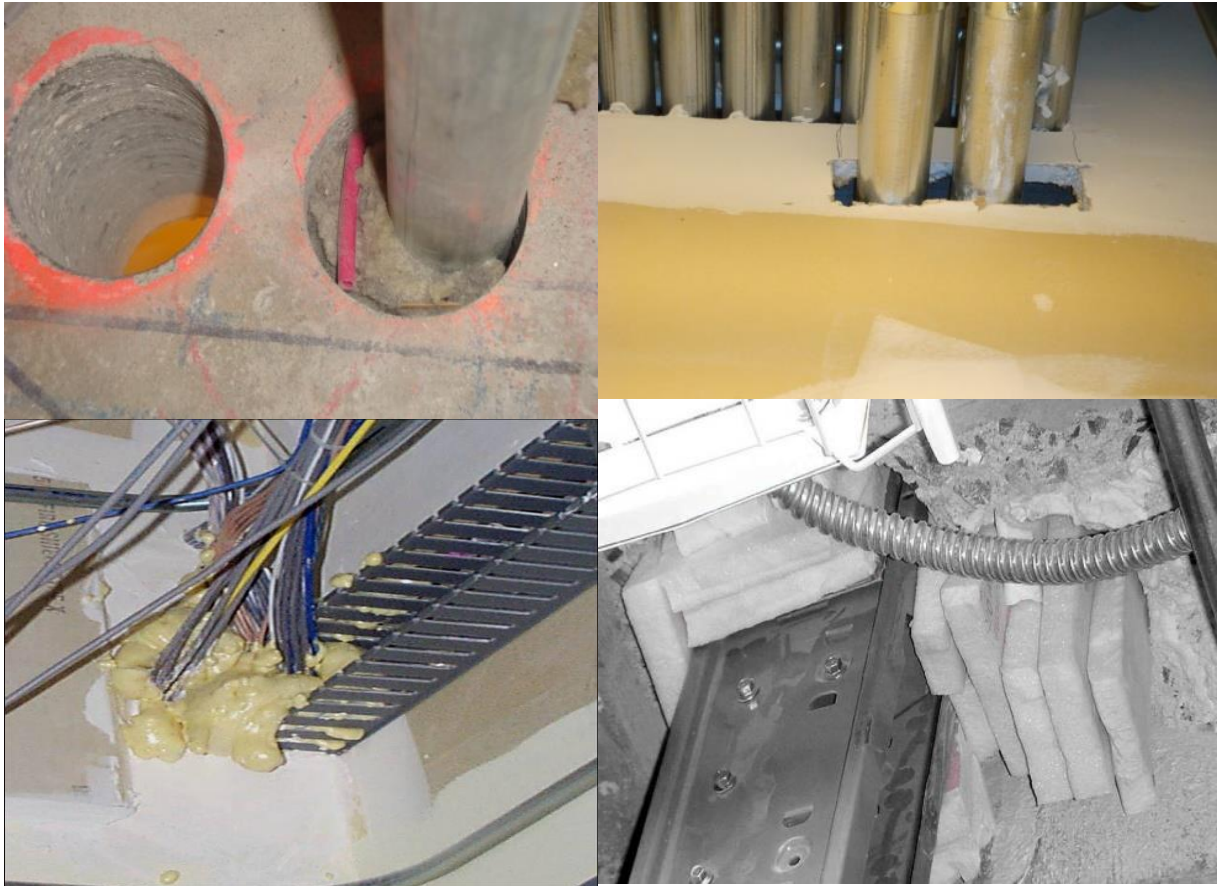
## What is Fire Stop

*Firestop or firestopping is a process whereby certain materials, which are typically specifically manufactured, are used to impede the passage of Smoke, Flame and in some cases Water.*

## What Does Fire Stop Do

*Firestop is specifically designed to help protect buildings and the occupants of buildings from the potentially harmful or lethal effects of flame and its toxic by-products. It is in every building, and every facility, every condo, and commercial high-rise.*

## What do Poor / Broken Fire Separations Look Like?



## WHO SHOULD ATTEND

***Building Owners, Fire Inspectors, Property Managers, Condo Managers, Industrial Facility Managers, Insurance Professionals, Fire Protection Specialists***

## Seminar Overview

### How is the building owner or building manager impacted?

- ✓ *Residential vs Commercial vs Industrial*
- ✓ *Loss of Life - Smoke vs Fire*
- ✓ *Finance - Property Damage*
- ✓ *Legal Responsibility*
- ✓ *Legal Liability*
- ✓ *Legal Fines*

### How are municipal fire services impacted?

- ✓ *Challenges*
- ✓ *Inspection*

### Migration of smoke and its impact on the building, and your occupants;

- ✓ *Stack effect / Negative pressure in buildings*
- ✓ *Sprinkler systems – effective on fire – not Smoke*
- ✓ *Compartmentalization*
- ✓ *Resident / Occupant Impact*

### Technical Specifics of Fire Stop

- ✓ *What is fire stop and how does it work*
- ✓ *What is building compartmentation (use of fire compartments)*
- ✓ *High risk areas, where we need to fire stop*
- ✓ *What types of building conditions need to be fire stopped in depth*
- ✓ *Use of “W” rated Fire Stop – Best practices in residential high-rise flood mitigation; Mold Mitigation, and significantly mitigating flood damage.*
- ✓ *Use of “STC” for sound transmission classification – associated benefits for facility managers*

### The How To of Inspecting Firestop

- **Chicago Apple facility Fire** - Smoke migration > 20 million in damages
- ✓ Good vs. Bad firestop install
- ✓ How to understand a CUL or ULC listing
- ✓ What to look for during an inspection
- ✓ What type of contractors should be used for the initial install
- ✓ When should the Fire Stop Contractor be engaged
- ✓ Codes and Requirements.

*Upon completion of the above program, participants will receive a diploma of participation,*

*Certified for 2.0 Hours of Continuing Professional Development Educational Credits.*

## Institution of Fire Engineers



### Canada Branch

Founded in 1918, the IFE is a non-profit making professional body with a rapidly growing membership of over 12,000 and a global reach that extends through 39 international branches. Licensed by the Engineering Council, the IFE upholds professional standards within all public and private fire sectors by offering assessment of knowledge, experience and development and engages with major stakeholders to offer international conferences, identify and promote good practice and enhance technical networks worldwide.

Over the years we have expanded our membership base and we now have members in every province of Canada. Our objective; To encourage and improve the science and practice of Fire Extinction, Fire Prevention, Fire Emergency Management, Fire Engineering and all operations and expedients connected therewith, and to give an impulse to ideas likely to be useful in connection with or in relation to such science and practice to the members of the Institution and to the community at large.