

PASSIVE FIRE PROTECTION SYMPOSIUM

4-6 JUNE 2024 • INTERCONTINENTAL DUBAI MARINA

FCIA 

NFCA® 



WELCOME

DAVID CAMPBELL, EMIRATES SAFETY LABORATORY



FCIA: THE VISION, THE MISSION, THE ASSOCIATION

ABHISHEK CHHABRA
BILL McHUGH
FCIA & NFCA



25TH ANNIVERSARY

EMERGENCY PROCEDURES

CERTIFICATES OF ATTENDANCE

www.FCIA.org

MEMBERS ONLY – SLIDES

ATTENDEE LIST ONLINE



FCIA ANTITRUST POLICY

ASSOCIATION DO'S & DON'TS

- **DON'T discuss the prices your company will charge customers.**
 - **DON'T discuss discounts, terms and conditions of sale, warrant terms, profits or profit margins, shares of market, bids or the intent to bid, rejection or termination, of customers, sales territories, or markets.**
 - **DON'T discuss administration or disciplinary action by the Association against a particular member, or enforcement of the Association's Code of Ethics, in the absence of specific legal guidance.**
 - **DON'T propose or discuss any proposal, in the absence of specific legal guidance, that the Association sponsors or engage in any activity which may have the effect of producing an adverse economic impact on some competing companies.**

FCIA Membership Meeting & Symposium

- **WELCOME**
 - David Campbell, Emirates Safety Laboratory
- **FCIA & NFCA – VISIONS, MISSIONS, ASSOCIATIONS, UAE/MENA**
 - BILL MCHUGH | ABHISHEK CHHABRA – FCIA & NFCA
- **PASSIVE FIRE PROTECTION & CODE REQUIREMENTS**
 - MOHAMED AMER, ICC
- **FIRE RESISTANCE, STRUCTURAL FIREPROOFING & EFFECTIVE COMPARTMENTATION**
 - BILL MCHUGH | ABHISHEK CHHABRA, FCIA & NFCA
- **NAVIGATING FIRE TESTING & CLASSIFICATION REQUIREMENTS**
SUBRAMANIAM SHIVALINGHAM, EMIRATES SAFETY LABORATORY
- **FIRESTOPPING & FIREPROOFING CONTRACTOR ACCREDITATION PROGRAMS**
 - AMR MAHMOUD, UL SOLUTIONS | BILL MCHUGH, FCIA
- **FIRE RESISTANCE & INSPECTION**
 - BILL MCHUGH, FCIA
- **MAINTAINING PROTECTION – PASSIVE FIRE PROTECTION**
 - BILL MCHUGH | ABHISHEK CHHABRA – FCIA & NFCA

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THANK YOU, FCIA MEMBER SPONSORS

PLATINUM & INTL



THANK YOU, FCIA MEMBER SPONSORS



GOLD

SILVER



NEW FCIA MANUFACTURER MEMBER MR. RAJESH THAKUR, SIKA UAE LLC



Sika's Passive fire protection systems

Watch later Share

SIKA PASSIVE FIRE PROTECTION SOLUTIONS

Watch on  YouTube 2021 - All rights reserved

BUILDING TRUST 

The image shows a YouTube video player interface. At the top left, there is a Sika logo and the text 'Sika's Passive fire protection systems'. At the top right, there are 'Watch later' and 'Share' buttons. The main video frame shows a man in a dark jacket standing behind a table with a model of a building. A large red play button is overlaid on the video. Below the video frame, the text 'SIKA PASSIVE FIRE PROTECTION SOLUTIONS' is displayed. At the bottom left, there is a 'Watch on YouTube' button and the text '2021 - All rights reserved'. At the bottom right, there is the text 'BUILDING TRUST' and the Sika logo.

NEW FCIA CONTRACTOR MEMBER PRIMESTAR INTERNATIONAL FIRESTOPPING



Through Penetration

- A through penetration firestop is a system designed to prevent the spread of fire and smoke through openings in



Perimeter Firestopping

- It involves preventing the passage of flames and hot



Joint Firestopping

- This process consist of filling openings and joints between walls and floors with fire-resistant material preventing



Blank Opening

- It refers to penetrations without any services (such as pipes, ductwork, or cables)

NEW FCIA DISTRIBUTOR MEMBER MVL FIRESTOP BUILDING MATERIALS TRADING



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[Firestopping Products](#)

[Fire Resistant Coatings](#)

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MVL FIRESTOP SYSTEMS

FCIA BOARD OF DIRECTORS

25 YEARS - LEADERSHIP



FCIA, NFCA & PFP 'DIIM'

I-INSTALLATION
Management
System Quality
Programs AND
Mfr. Education

D-DESIGN
Specs, Code,
Standards

BARRIER MANAGEMENT
Fire Codes
NFPA 101, 1, IFC

**QUALITY
PROCESS**

I – INSPECTION
IBC Ch. 17
NFPA 80
NFPA 1

FCIA – Firestop Contractors International Association

- Canada – Symposiums, National Presence, NBCC, NFC
- Qatar - Doha FCIA Symposium; Members
- India - Mumbai/Ahmadabad – Fire Safe Build India – IIT-G
- UAE - Dubai – FCIA Symposium; Civil Defence
- Saudi Arabia - Riyadh – BIG5 Show; UL, ICC, T
- Mexico/LATAM - CONAPCI/AMRACI
- Australia/New Zealand – FPA, Etc.



FREE RESOURCES

- **Info@FCIA.org** –
 - **FREE Webinars**
 - **FREE Life Safety Digest**
 - **MOP – MEMBER DISCOUNTS**



FCIA – Firestop Contractors International Association

- UL/ULC, FM 4991 Contractor Programs
- ASTM Firestop Inspection Standards
- IAS AC 291 Inspection Agency Accreditation Program
- Firestop Education Program
 - Contractor, Inspection Agency, AHJ, Others
- ***Passive Fire Protection Advocacy & Education***
- **Tools @ FCIA.org** for Specifiers, AHJ's, Building Owners, Facility Directors, Firestop Contractors & Inspection Agencies, Passive Fire Protection Professionals



2023/2024 NFCA Board of Directors

President	Mathew Stephenson, Rolling Plains Construction, Dallas, TX
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Dir Emeritus	Howard Towler - Acme Fireproofing, Jenks, OK
Dir Emeritus	Bubba Winston - American Coatings, Ashland, VA



What does NFCA Do?

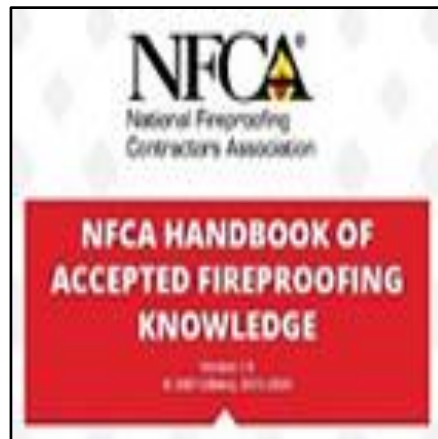
- NFCA @ ICC Codes...
 - 2021/2024 SFRM/IFRM Proposals...
- NFCA @ ASTM Task Groups - Fireproofing
- NFCA @ NFPA Fire Protection Features
- NFCA @ AISC, AISI
- NFCA @ National Codes, Canada
- NFCA @ American Institute of Steel Construction & American Iron and Steel Institute
- Industry Articles
 - Thermal Barriers, Patching, more...
- NFCA @ SFPE/ASCE Meetings
- NFCA requests IAS add NFCA Fireproofing Exam
- NFCA Committee ACTIONS



What Does NFCA Provide?

- **Fireproofing Education & Exams**
 - World-Class SFRM & IFRM Fireproofing Instruction
- **NFCA Contractor Accreditation Program for IFRM & SFRM**
 - Educated fireproofing Companies
 - **UL Qualified SFRM Contractor Program**
- **Week of Learning - Educational Conference**
 - Network with top Fireproofing Contractors, Manufacturers, Associates
 - A forum for suppliers and contractors to learn from one another
- **NFCA 100-400 Standards** for quality and life safety
- **Technical expertise, Standards and Code development**
- **NFCA Website** to find Fireproofing Leaders – www.NFCA-online.org

NFCA Handbook of Accepted Fireproofing Knowledge (HAFK)



- Study Resource for NFCA Fireproofing Exams
- Fireproofing in 'One Place'
- NFCA Members = \$500 Discount
- **FREE HAFK PDF for AHJ's & Specifiers with Design Firms, Independent Specifiers**
- **SAFETY HANDBOOK INCLUDED**
- More New Chapters coming...
- www.nfca-online.org

NFCA Contractor Accreditation Program

- **NFCA LIVE & VIRTUAL EDUCATION/EXAMS**
 - **Contractor Designated Responsible Individual**
 - **Focus on Fire-Resistance & Fireproofing**
 - **2024 Spring & 2024 NFCA Week of Learning**
 - **LIVE Education & Exams March 11-13**
 - **LIVE Conference, Exhibits March 13-15**



UL Qualified Fireproofing Contractor Program

- **NEW PROGRAM**
 - **NFCA DRI**
 - **Management System (MS)**
 - **Audited**
 - **Contractor's Office**
 - **A Jobsite**
 - **Several Contractors working on MS Manuals**

UL Qualified Spray-Applied Fire Resistive Material (SFRM) Contractor Program requirements

Mark Integrity Program

Introduction:
This document outlines the contractor company requirements for participation in the UL Qualified Spray-Applied Fire Resistive Material (SFRM) Contractor Program.

The SFRM installation industry serves residential, institutional, commercial and industrial structures. The industry addresses the need to limit the damaging effects of fire by insulating structural building elements from fire. SFRMs help horizontal assemblies including floor/ceiling, roof/ceiling and building elements such as beams and columns obtain fire endurance ratings. SFRM contractors install certified SFRMs to establish a protective system for a structure to protect fire and life safety and comply with specification and customer requirements.

In order for a SFRM installation contractor organization to qualify for UL's SFRM Contractor Program, the contractor organization shall employ a knowledgeable individual who successfully demonstrates their competency to UL through successful completion of the Designated Responsible Individual (DRI) program at a contractor company that has been recognized in the NFCA Contractor Accreditation Program (CAP).

The company that enrolls in the UL Qualified SFRM Contractor program also has to establish, implement and maintain a management system focused on the application of SFRMs. A management system is used to describe the contractor's SFRM operations.

The Management System approach requires the Contractor

may be determined by the construction documents that have had final approval by code authorities. Where special inspection is implemented, the AHJ ultimately determines the acceptability of the installation.

Because the SFRM contractor firm's selection and installation of SFRMs to requirements relies on staff knowledge, the UL Qualified SFRM Contractor Program requires at least one individual employed by the Contractor organization to be designated as a Designated Responsible Individual (DRI) who has demonstrated his/her knowledge via examination and meets other related requirements defined in this document.

Definitions

Authority Having Jurisdiction (AHJ) — The organization, office or individual responsible for implementing the adopted code. This is typically the building official or fire marshal, or another governmental agency who may also be the final authority signing the "Certificate of Occupancy Permit".

Certificate — The SFRM Contractor Certificate. This is a document issued after an audit has been completed, and conformance to all UL Qualified SFRM Contractor Program Requirements has been determined. The Certificate is valid until Dec. 31 of the following year from which the certificate was issued.

Continuing Education Unit (CEU) — For purposes of awarding CEU credit, the International Association of Continuing Education and Training (IACET) definition will be used for those individuals involved in the UL Qualified SFRM Contractor Program as follows: One (1) CEU is equal to 10 contact hours of participation in an organized education.



**FCIA MEMBERS ARE
THE GLOBAL EXPERTS
AND PROVIDERS OF
LIFE SAFETY PASSIVE
FIRE AND SMOKE
PROTECTION SYSTEMS.**



FCIA MISSION STATEMENT

FCIA VISION & CORE VALUES

FCIA FOCUSES ON LIFE SAFETY THROUGH

INTEGRITY

PASSION

ENGAGEMENT

ACTION



FCIA MEMBERSHIP THROUGH THE YEARS

1998 – 7	2019 – 367
1999 – 40	2020 – 344
2000 – 71	2021 – 368
2008 – 215	2022 – 371
2018 – 355	2023 – 374



FCIA COMMITTEES

ADVANCE FCIA'S GOALS - PFP

- ACCREDITATION
- CANADA
- CODE
- EDUCATION
- TECHNICAL
 - FCIA MANUAL OF PRACTICE
- INSPECTION
- INTERNATIONAL TASK GROUP
- LIFE SAFETY DIGEST
- MARKETING
- MEMBERSHIP
- MIDDLE EAST
- PROGRAM
- STANDARDS

**LEARN MORE
& JOIN AN
FCIA
COMMITTEE**



FCIA EDUCATION PROGRAM (FEP)

- **ADMIN PORTAL LIVE**
- **FIRESTOP LEVEL 3 LIVE**
 - PROJECT MANAGEMENT/ESTIMATING
- **IMPROVEMENTS**
 - FIRESTOP LEVEL 2 UPGRADES CONTINUOUS
 - FIRESTOP LEVEL 0 IN DEVELOPMENT
 - FIRESTOP LEVEL 4 IN DEVELOPMENT
 - INTERNATIONAL & UK IN DEVELOPMENT
 - EARLY-STAGE DEVELOPMENT FOR ADDITIONAL PROGRAMS – MULTIPLE Languages



LIFE SAFETY DIGEST



- **16,000+ + CIRCULATION**
- **READERS**
 - **AHJ'S**
 - **SPECIFIERS**
 - **GC'S**
 - **HOSPITALS**
 - **PASSIVE FIRE PROTECTION & FIRESTOP CONTRACTORS**



FCIA **ADVOCATES**

- **STANDARDS DEVELOPMENT** – ASTM, UL/ULC STP'S
---INSPECTION, MOVEMENT, EXPOSURE, AGING, GUIDE,
INSPECTOR/AGENCY (IAS AC 291) QUALIFICATIONS,



- **ACCREDITATION PROGRAM DEVELOPMENT**

- FM 4991, UL/ULC QFCP;



- **CODE DEVELOPMENT**

- ICC, NFPA, NBCC, NFCC, WORLDWIDE



FCIA **FUTURE**

- GLOBAL PASSIVE FIRE PROTECTION
- NEXT GENERATION PARTICIPATION
- PARTNERSHIPS
- WORLDWIDE RELATIONSHIPS
- & FIRESTOP EDUCATION ACCESS
- APPROVED/QUALIFIED CONTRACTORS & SPECIAL INSPECTION
- FCIA'S ROOTS – **PASSIVE FIRE PROTECTION & FIRESTOPPING**

2024 FCIA EVENTS



FCIA, NFCA & PFP 'DIIM'

I-INSTALLATION
Management
System Quality
Programs AND
Mfr. Education

D-DESIGN
Specs, Code,
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BARRIER MANAGEMENT
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NFPA 101, 1, IFC

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PASSIVE FIRE PROTECTION & CODE REQUIREMENTS

MOHAMED AMER, INTERNATIONAL CODE COUNCIL



FIRE RESISTANCE & COMPARTMENTATION STANDARDS

ABHISHEK CHHABRA
BILL McHUGH
FCIA & NFCA



NAVIGATING FIRE TESTING & CLASSIFICATIONS FOR FIRESTOPPING SYSTEMS

SUBRAMANIAM SHIVALINGHAM
EMIRATES SAFETY LABORATORY



PASSIVE FIRE PROTECTION & BUILT ENVIRONMENT INSURANCE PERSPECTIVES

LAXMINARIAN NAYAK, LIVA GROUP



FIRESTOPPING & FIREPROOFING CONTRACTOR PROGRAMS

AMR MAHMOUD, UL SOLUTIONS
BILL McHUGH, FCIA & NFCA



MAINTAIN PASSIVE FIRE PROTECTION

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