
FIRE STOPPING SPECIAL INSPECTIONS FIRM PROFILE

Code Red Consultants, LLC is a fire protection engineering, code consulting, and special inspection firm led by Principals Christopher Lynch, P.E., Carl Nelson, P.E., Nathan Birmingham, P.E., and Peter Harrod, P.E. Each of the founding members are Principals in the firm and are all licensed Fire Protection Engineers in the State of Massachusetts. Code Red Consultants truly provides the best of both worlds - the expertise of a large international firm that is a locally owned and operated small business. Our firm is made up of consultants having Master of Science degrees in Fire Protection Engineering. We are active members in various professional organizations including the National Fire Protection Association (NFPA), the Society of Fire Protection Engineers (SFPE), amongst many other state and local code organizations. Having a specialized knowledge in fire science, coupled with an in-depth knowledge of building and fire codes and decades of construction inspections make the engineers at Code Red Consultants uniquely qualified to serve as special inspectors.

The firestopping special inspection process per ASTM 2174 and 2393 is designed to provide an enhanced level of quality assurance that a critical life safety system is installed correctly while also not inhibiting the construction installation process. Code Red Consultants employs over 20 engineers with 5 IFC certified third party inspectors on staff. Our depth of experience and knowledge allow us to be responsive to inspection requests to keep the construction schedule moving while providing thorough and detailed reporting that building officials require.

QUALIFICATION SUMMARY

Education: Code Red Consultants employs 17 engineers with master's degrees in fire protection engineering. Our backgrounds in fire protection engineering provide an enhanced level of understanding of the fire science and material properties of fire stopping systems. We have an in-depth knowledge of the testing and listing process of firestop systems. This level of education and understanding allows us to evaluate complex installation challenges, thoroughly evaluate the adequacy of engineering judgements, and act as a resource for the building officials and contractors on projects.

Licensure & Certifications: Thirteen (13) of our engineers are currently licensed professional engineers in Massachusetts as well as a number of other states. Five (5) of our engineers presently hold Third Party Firestop Inspection certificates from the International Fire Stop Council. Code Red Consultants does not perform installation of firestopping or any other fire protection system. Our firm is dedicated to consulting, engineering, and third-party review and inspection services.

Industry Involvement: Code Red Consultants are experts in fire protection and life safety code compliance and systems. We serve the design and construction industry in various roles, including code consulting, fire protection system design, performance-based design, and third-party review and inspection services. We are active in delivering education and training to building and fire officials, architects, contractors, and owners. We are active members of the International Firestop Council (IFC), the Society of Fire Protection Engineers (SFPE), the National Fire Protection Association (NFPA), the American Society of Healthcare Engineers (ASHE), the Association of General Contractors (AGC), and various state and local building and fire official organizations. We regularly present at various venues through these organizations.

Experience: The engineers at Code Red Consultants have well over 100 years of combined experience in performing third party review and inspections of fire protection systems, including firestopping installations. We are engaged in performing third party firestopping services on a weekly basis. We have served as the special inspector for firestopping systems on variety of building and occupancy types including, casinos, hospitals, police stations, prisons, residential, high rise, and laboratory buildings. Our inspection experience includes both non-combustible and combustible construction types. We have performed special inspections in over 3 million square feet of construction in the last 12 months alone.

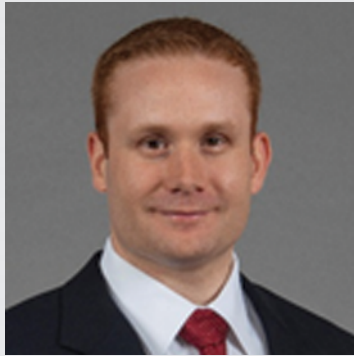
INSPECTION APPROACH

Code Red Consultants approach to serving in this Third-Party Inspection role is to not solely find issues but take a collaborative and educational approach to the process. The level of inspection prescribed by ASTM 2174, *Standard Practice for On-site Inspection of Installed Firestops* and ASTM 2393, *Standard Practice for On-site Inspection of Fire Resistive Joint Systems and Perimeter Fire Barriers* is relatively new to the construction industry. Code Red Consultants employs pre-installation contractor orientation and education as well as offerings to perform mock up installation and mock inspections with installers in an effort to reduce the number of deficiencies and rework on the project.

Code Red Consultants delivers field reports in 1 business day and provides specific reporting with photographs, detailed measurements and descriptions, drawings with specific locations, and metric tracking to clearly illustrate compliance to the authorities having jurisdictions. Our backgrounds as code consultants and fire protection engineers also gives us the ability to quickly understand and analyze complicated installation situations where alternative approaches and engineering judgments may be warranted.

Highlighted Project Experience

- AR Reynolds Farm Condo's - North Kingstown, RI
- 121 Portland Street - Boston, MA
- Wynn Casino- Everett, MA
- Boston Medical Center- Menino Addition and Renovation Project- Boston, MA
- Boston Medical Center- Yawkey 5th Floor Renovation Project- Boston, MA
- Stamford Hospital- Stamford, CT
- Nantucket Cottage Hospital- Nantucket, MA
- New England Baptist Hospital- Boston, MA
- Franklin Medical Center- Greenfield, MA
- Baystate Medical Center- Springfield, MA
- Baystate Wing Hospital- Palmer, MA
- Salisbury Police Station - Salisbury, MA



CHRISTOPHER J. LYNCH P.E.

Principal

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Master of Science, Fire Protection Engineering,
May 2008
Bachelor of Science, Civil Engineering,
May 2006

PROFESSIONAL AFFILIATIONS

National Fire Protection Association (NFPA)
Society of Fire Protection Engineers (SFPE)
American Society for Healthcare Engineering
(ASHE)
MA Registered Fire Protection Engineer #48361
Firestop Instruction Training (FIT) Level 2 Certified
Inspector and Trainer
International Firestop Council 3rd Party Firestop
Inspector

CONTACT

154 Turnpike Road, Suite 200
Southborough, MA 01772
(617) 500-9448
ChrisL@crfire.com

PROFESSIONAL EXPERIENCE

Christopher Lynch is a professional fire protection engineer and is a Principal with Code Red Consultants. Mr. Lynch has significant experience reviewing architectural and engineering drawings and specifications for conformance with local, state and national codes and standards, and preparing comprehensive fire protection and life safety programs for new and existing buildings. He has experience in designing automatic sprinkler systems and fire alarm systems, has managed the progress of the installation during construction, and has organized and conducted the acceptance testing as the owner's representative. He has also worked with clients and authorities having jurisdiction to engineer resolutions for complex fire protection and life safety issues.

Mr. Lynch has performed detailed firestop inspections over his 11 year career in various occupancies, including hospitals, high rise buildings, and casinos. Mr. Lynch has performed these inspections in accordance with ASTM E2174 and ASTM E2393, including the performance of destructive inspections. He has worked closely with installers and authorities having jurisdictions on firestopping projects in a third-party review capacity to ensure a compliant and safe assembly is installed. Mr. Lynch has also extensive experience reviewing engineering judgements and firestop submittals.

RELEVANT PROJECTS

Stamford Hospital Expansion Project, Stamford, CT

Boston Medical Center Menino Addition and Renovation, Boston, MA

New England Baptist Hospital, Boston, MA

Franklin Medical Center Expansion, Greenfield, CT

Baystate Medical Center Mass Mutual Building,
Springfield, MA

121 Portland Street, Boston, MA

Salisbury Police Station, Salisbury, MA

Baystate Medical Center Children's Unit Fit Out,
Springfield, MA

**Baystate Wing Hospital Emergency Department
Expansion**, Palmer, MA

Boston Medical Center Yawkey 5 Renovation, Boston,
MA

PROJECT EXPERIENCE

A.R. Reynold's Farm, North Kingstown, RI

The Reynold's Farm development consists of the new construction of five (5) apartment buildings with an aggregate of 255 residential units, club house, pool and carports. Each building consists of four stories of Type VA (wood framed) construction. Firestopping Special Inspections are currently underway on Building 1.

- Construction cost: Unknown
- Total Square Footage: 52,000 sf per building
- Construction Type: Type VA
- Occupancy Type(s): Group Group R-2
- Client Name: A. R. Building Co.
- GC: A. R. Building Co.
- AHJ: North Kingstown Fire Department. Gordon Walsh, 401-294-3346.

Wynn Boston Harbor Casino, Everett, MA

The Wynn Boston Harbor Casino project entails the new construction of a mixed-use building with a footprint area of approximately 500,000 sf and an aggregate area of approximately 3,100,000 sf. The podium will include a casino, food and beverage, spa, retail, ballroom, conventions space and lounges. The podium will also include on parking level at grade and three levels of underground parking, offices and staff support, and back-of-house support areas including a warehouse and maintenance facility. The tower will consist of 21-stories (369 feet) with approximately 671 hotel guest suites.

- Construction cost: \$2.4 Billion
- Total Square Footage: 3,100,000 sf
- Construction Type: Type IA
- Occupancy Type(s): Group A-2, A-3, Group B, Group F-1, Group M, Group R-1, Group S-1, S-2
- Client Name: Wynn Design and Development
- GC: Suffolk Construction Company, Inc.
- AHJ: Everett Building Department. James Soper (Building Commissioner), 617-394-2224. Wayne Beumier from 4Leaf, Inc. was hired as a third party inspector on behalf of the City, 617-381-4615.

Baystate Medical Center Mass Mutual Building Phase 2 and 3, Springfield, MA

Christopher Lynch and Carl Nelson acted as code consultants and third-party reviewers on Phase 2 and Phase 3 of the fit out of the new 641,000 hospital tower that totaled \$296 Million in Construction Cost. The scope of services provided included developing the code compliance approach for the fit out of a new emergency department, pharmacy, and several floors of inpatient treatment and sleeping areas. Additionally, Mr. Lynch and Mr. Nelson performed firestop inspections, fire door inspections, and reviewed the construction project for compliance with the Life Safety Code.

- Construction Cost: \$296 Million
- Total Square Footage: 641,000 SF
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2, Group A-3
- Client Name: Baystate Medical Center; Ryan Thomann 413-794-5639
- GC: Suffolk Construction
- AHJ: Springfield Building Department, 413-787-6641

Stamford Hospital, Stamford, CT

Stamford Hospital recently opened their new \$450 Million, 650,000 sf, 12-story facility. Code Red Consultants was retained directly by Stamford Hospital to serve as an independent third-party inspector during construction. CRC was responsible for performing firestopping inspections, fire door inspections, construction of fire and smoke rated walls, means of egress, and other key life safety and fire protection features in accordance with the Connecticut State Building Code, Connecticut State Fire Code and NFPA 101, and the Life Safety Code by the Joint Commission and Department of Public Health. Code Red Consultants worked closely with Stamford Hospital, WHR Architects, and Skanska to help ensure that the construction was compliant with the applicable codes and standards. In addition to their inspection role, Code Red Consultants also prepared master life safety drawings and fire protection inventory drawings for fire dampers, fire doors and sprinkler control valves for Stamford Hospital.

- Construction Cost: \$450 Million
- Total Square Footage: 650,000 SF Fit out, 80,000 sf shell
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2
- Client Name: Stamford Hospital. Mike Smeriglio, Executive Director of Facilities 203-932-1901
- GC: Skanska
- AHJ: Stamford Building Department. Mike Musco from Musco Engineering was hired as a third party inspector on behalf of the City. 203-932-1901

Boston Medical Center Menino Building, Boston, MA

The Boston Medical Center Menino project includes the demolition of an existing infill building, construction of a new 120,000-square-foot addition, 220,000 square feet of renovations to the Menino Pavilion and construction of a pedestrian bridge with elevator towers at each end. Once open, the expanded facility will include services for radiology, surgery, emergency and trauma, pharmacy, central sterile processing, interventional procedures and inpatient care units. The work on the project is being executed while the building is partially occupied and the phasing plan includes a complex 23 phase occupancy permitting process.

Code Red Consultants has been retained directly by Boston Medical Center to provide ASTM E2174 and E2393 firestop inspection services on the project. In this role, Code Red Consultants has maintained a weekly on site presence throughout the 5 year construction project. Deficiencies are noted utilizing the BIM 360 software program and Code Red Consultants monitors and follows up with installers weekly to ensure all noted items are closed out.

- Construction Cost: \$184 Million
- Total Square Footage: 340,000 SF
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2, Group A-3
- Client Name: Boston Medical Center, Brendan Whalen, Director of Design and Construction 617-448-2395
- GC: Suffolk Construction
- AHJ: Stamford Building Department. Mike Musco from Musco Engineering was hired as a third party inspector on behalf of the City. 203-932-1901

CERTIFICATE OF ACHIEVEMENT



INTERNATIONAL FIRESTOP COUNCIL

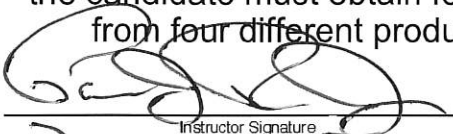
THE Source of Firestop Expertise®

presents this certificate to

Christopher Lynch

In recognition of successfully passing the examination covering the "IFC recommended knowledge base for 3rd party firestop inspectors"

To meet the full scope of the IFC recommended knowledge base, the candidate must obtain four 2-hour (minimum) sessions of hands-on product training from four different product manufacturers, as documented in the spaces below.

1	 Instructor Signature	5-23-18 Date	2	_____	_____
	PATRICK TESCHE JR. Name of instructor (please print)			_____	_____
	IFC Representing (Company)			_____	_____
3	_____	_____	4	_____	_____
	Instructor Signature	Date		Instructor Signature	Date
	_____	_____		_____	_____
	Name of instructor (please print)			Name of instructor (please print)	
	_____	_____		_____	_____
	Representing (Company)			Representing (Company)	

On behalf of the International Firestop Council:

John Valiulis

EXECUTIVE DIRECTOR, INTERNATIONAL FIRESTOP COUNCIL

Issued: November 25, 2017 (certificate valid 3 years from date of issue)

Confirmation of this certificate holder's status can be confirmed at www.firestop.org/certificate-holders

International Firestop Council, 2660 S Utica Avenue, Tulsa, OK 74114 USA +1-918-200-3757, info@firestop.org

The Firestop University

Certificate of Achievement

Is hereby granted to:

Christopher Lynch

For successful completion of the course

FIT Level 2 Exam

on

May 15, 2016.

This certificate expires one (1) year from the completion date.

Bicsi[®]
CONTINUING EDUCATION
CREDIT PROVIDER

Effective February 6, 2016 BICSI Recognizes
FIT Level 2-Firestop Instructional Training Level 2 training
For the following BICSI Continuing Education Credits (CECs)
Event ID: OV-SPEC-NJ-0616-1
BICSI CECs: 13



Specified Technologies Inc. is an AIA registered provider


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THE FIRESTOP AUTHORITY

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INTERNATIONAL CODE COUNCIL

Firestopping, Joint Systems and Dampers

Given the 31th day of March, 2015

Featured Topic Webinar

Awards 0.1 ICC C.E.U.s — 1 Contact Hour

Chris Lynch



Vice President, Education and Certification

Chris Reeves, P.E.

AIA #IC8569





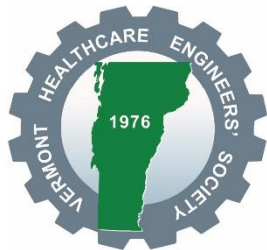
Certificate of Completion

This is to certify that

Chris Lynch

Attended the 2017 NEHES Fall Conference
Hosted by the Vermont Healthcare Engineers' Society

The American Society for Healthcare Engineering
of the American Hospital Association has awarded
this program 12.25 contact hours / 1.23 CEUs



Alison Brisson, NEHES President 2017



Certificate of Completion

This is to certify that

Chris Lynch

Attended the 2017 NEHES Spring Seminar
Hosted by the Connecticut Healthcare Engineers' Society

The American Society for Healthcare Engineering
of the American Hospital Association has awarded
this program 5 contact hours / 0.5 CEUs



Alison Brisson, NEHES President 2017

Certificate of Completion

This is to certify that

Chris Lynch

Participated in the **2010 Healthcare Symposium** with areas of study in:

Innovation in Design for the 21st Century in Healthcare Environment

Life Safety Seminar - Passive Fire Protection Overview

Firestopping Requirements in the MA Building Code and the IBC

Infection Control During Construction

Joint Commission Overview and Inspections

Barrier Management

LEED - Sustainable Healthcare: An Overview of Sustainable Construction for Hospitals

Modular Supports - Surgical Suite design trends

Forensic Investigation Case study

BIM - Building Information Modeling

Earning **6.5 contact hours** on

**May 11, 2010
Marlborough, MA**

Onalee Finio

Onalee Finio, PE
Director, Technical Services



Hilti. Outperform. Outlast.



CHAD FARRELL, P.E.

Consultant

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Master of Science, Fire Protection Engineering,
December 2011
Bachelor of Science, Civil Engineering, May 2009

PROFESSIONAL AFFILIATIONS

National Fire Protection Association (NFPA)
Society of Fire Protection Engineers (SFPE)
CT Registered Fire Protection Engineer
#PEN.0030444
MA Registered Fire Protection Engineer #52310
RI Registered Fire Protection Engineer #11768
IFC Certified 3rd Party Firestop Inspector

CONTACT

154 Turnpike Road, Suite 200
Southborough, MA 01772
617-500-7633
CFarrell@crfire.com

PROFESSIONAL EXPERIENCE

Chad Farrell is a professional fire protection engineer and a Consultant with Code Red Consultants. Mr. Farrell's work is concentrated on providing client-driven fire protection and life safety code consulting services to architects, designers, contractors, building owners, and other engineers to achieve compliance with local, state, and federal codes and standards. He has significant experience generating comprehensive prescriptive fire protection and life safety code reports for new and existing buildings, as well as preparing performance-based code compliance alternatives, equivalencies, and variances. Beyond his code consulting services, Mr. Farrell is involved with several aspects of his projects all the way from concept design assistance up to final commissioning of fire alarm and smoke control systems.

Mr. Farrell has provided fire protection and life safety code consulting services for a variety of projects including healthcare, higher education, transportation facilities, high-rise buildings, large assembly spaces, mixed-use buildings, storage warehouses, military installations, and government-owned facilities. Additionally, his project work has included privately owned facilities, local, state, and federally funded projects.

Mr. Farrell is proficient in developing high-quality, intuitive, and actionable memorandums and graphics to quickly address client questions and needs. He has extensive experience negotiating with Authorities Having Jurisdiction (AHJ) to present alternative means and methods for achieving code compliance. Mr. Farrell is also familiar with all local, state, and federal building, fire, and life safety codes.

RELEVANT EXPERIENCE/PROJECTS

121 Portland Street Firestopping Inspections, Boston, MA

Boston Medical Center Menino Building, Boston, MA

Congress Square Fire Safety Site Walks, Boston, MA

1 Milk Street Fire Safety Site Walks, Boston, MA

MIT W70 Firestopping, Cambridge, MA

AC Hotel, Brookline, MA

Boston Symphony Orchestra, Boston, MA

PROJECT EXPERIENCE CHAD FARRELL

A.R. Reynold's Farm, North Kingstown, RI

The Reynold's Farm development consists of the new construction of five (5) apartment buildings with an aggregate of 255 residential units, club house, pool and carports. Each building consists of four stories of Type VA (wood framed) construction. Firestopping Special Inspections are currently underway on Building 1.

- Construction cost: Unknown
- Total Square Footage: 52,000 sf per building
- Construction Type: Type VA
- Occupancy Type(s): Group Group R-2
- Client Name: A. R. Building Co.
- GC: A. R. Building Co.
- AHJ: North Kingstown Fire Department. Gordon Walsh, 401-294-3346.

Wynn Boston Harbor Casino, Everett, MA

The Wynn Boston Harbor Casino project entails the new construction of a mixed-use building with a footprint area of approximately 500,000 sf and an aggregate area of approximately 3,100,000 sf. The podium will include a casino, food and beverage, spa, retail, ballroom, conventions space and lounges. The podium will also include on parking level at grade and three levels of underground parking, offices and staff support, and back-of-house support areas including a warehouse and maintenance facility. The tower will consist of 21-stories (369 feet) with approximately 671 hotel guest suites.

- Construction cost: \$2.4 Billion
- Total Square Footage: 3,100,000 sf
- Construction Type: Type IA
- Occupancy Type(s): Group A-2, A-3, Group B, Group F-1, Group M, Group R-1, Group S-1, S-2
- Client Name: Wynn Design and Development
- GC: Suffolk Construction Company, Inc.
- AHJ: Everett Building Department. James Soper (Building Commissioner), 617-394-2224. Wayne Beumier from 4Leaf, Inc. was hired as a third party inspector on behalf of the City, 617-381-4615.

Boston Medical Center Menino Building, Boston, MA

The Boston Medical Center Menino project includes the demolition of an existing infill building, construction of a new 120,000-square-foot addition, 220,000 square feet of renovations to the Menino Pavilion and construction of a pedestrian bridge with elevator towers at each end. Once open, the expanded facility will include services for radiology, surgery, emergency and trauma, pharmacy, central sterile processing, interventional procedures and inpatient care units. The work on the project is being executed while the building is partially occupied and the phasing plan includes a complex 23 phase occupancy permitting process.

Code Red Consultants has been retained directly by Boston Medical Center to provide ASTM E2174 and E2393 firestop inspection services on the project. In this role, Code Red Consultants has maintained a weekly on site presence throughout the 5 year construction project. Deficiencies are noted utilizing the BIM 360 software program and Code Red Consultants monitors and follows up with installers weekly to ensure all noted items are closed out.

- Construction Cost: \$184 Million
- Total Square Footage: 340,000 SF
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2, Group A-3
- Client Name: Boston Medical Center, Brendan Whalen, Director of Design and Construction 617-448-2395
- GC: Suffolk Construction
- AHJ: Stamford Building Department. Mike Musco from Musco Engineering was hired as a third party inspector on behalf of the City. 203-932-1901

121 Portland Street Firestopping Inspections, Boston, MA

Provided Firestopping Inspections at the request of Consigli Construction. The intent of this inspection was to verify that completed firestopping penetrants appear to have been installed in accordance the appropriate UL systems.

- Construction Cost: Unk.
- Total Square Footage: 215,000 gsf
- Construction Type: IIB
- Occupancy Type(s): R-2
- Client Name: Consigli Construction, Mark Placek 508-473-2580
- GC: Consigli Construction
- AHJ: Boston ISD, Boston FD

CERTIFICATE OF ACHIEVEMENT



INTERNATIONAL FIRESTOP COUNCIL


THE Source of Firestop Expertise®

presents this certificate to

Chad M Farrell Jr

In recognition of successfully passing the examination covering the "IFC recommended knowledge base for 3rd party firestop inspectors"

To meet the full scope of the IFC recommended knowledge base, the candidate must obtain four 2-hour (minimum) sessions of hands-on product training from four different product manufacturers, as documented in the spaces below.

1	 Instructor Signature	5-23-18 Date	2	_____	_____
	PATRICK J TESCHE JR. Name of instructor (please print)			_____	_____
	IFC Representing (Company)			_____	_____
3	_____	_____	4	_____	_____
	Instructor Signature	Date		Instructor Signature	Date
	_____	_____		_____	_____
	Name of instructor (please print)			Name of instructor (please print)	
	_____	_____		_____	_____
	Representing (Company)			Representing (Company)	

On behalf of the International Firestop Council:

John Valiulis

EXECUTIVE DIRECTOR, INTERNATIONAL FIRESTOP COUNCIL

Issued: November 27, 2017 (certificate valid 3 years from date of issue)

Confirmation of this certificate holder's status can be confirmed at www.firestop.org/certificate-holders

International Firestop Council, 2660 S Utica Avenue, Tulsa, OK 74114 USA +1-918-200-3757, info@firestop.org



JASON HOPKINS

Consultant

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Master of Science, Fire Protection Engineering,
May 2014
Bachelor of Science, Mechanical Engineering, May
2013

PROFESSIONAL AFFILIATIONS

IFC Certified 3rd Party Firestop Inspector

CONTACT

154 Turnpike Road, Suite 200
Southborough, MA 01772
617-500-7633
jhopkins@crctfire.com

CODE RED CONSULTANTS

PROFESSIONAL EXPERIENCE

Jason Hopkins is a fire protection engineer and a Consultant with Code Red Consultants. The focus of his work is to provide fire protection and life safety code consulting services to architects, designers, building owners, and end users. Typical project responsibility includes the evaluation of prescriptive-based compliance with local, state, and federal codes, as well as the development of performance-based alternative approaches for unique fire protection and life safety situations.

Mr. Hopkins has experience performing fire and life safety evaluations, drawing reviews, and development of code-compliance strategies for both new and existing buildings. His work has focused on fire protection and life safety code consulting for a variety of projects including higher education, health care, large assembly spaces, residential, hazardous materials, and mixed-use buildings. Such work has been completed for private developments as well as government-funded projects.

Mr. Hopkins is experienced in developing high-quality, intuitive, and actionable memorandums and graphics to quickly address client questions and needs. He has extensive experience developing in-depth code analysis and construction fire safety plans for both new and existing buildings. Mr. Hopkins is also familiar with all local, state, and federal building, fire, and life safety codes.

RELEVANT PROJECT EXPERIENCE

Boston Medical Center, Boston, MA

Baystate Children's Procedure and Infusion Suite,
Springfield, MA

Stamford Hospital, Stamford, CT

Stamford Hospital - Existing SOC, Stamford, CT

Baystate Medical Center 2016 SOC, Springfield, MA

Northern Dutchess Hospital 2015 SOC, Rhinebeck, NY

Putnam Hospital 2016 SOC, Carmel, NY

Harrington 2015 SOC, Southbridge, MA

Vassar Brothers Medical Center 2017 SOC,
Poughkeepsie, NY

Elliot Hospital 2017 SOC, Manchester, NH

145 Broadway, Cambridge, MA

238 Main Street, Cambridge, MA

MIT Nano, Cambridge, MA

Residence Inn Roxbury, MA

PROJECT EXPERIENCE JASON HOPKINS

Wynn Boston Harbor Casino, Everett, MA

The Wynn Boston Harbor Casino project entails the new construction of a mixed-use building with a footprint area of approximately 500,000 sf and an aggregate area of approximately 3,100,000 sf. The podium will include a casino, food and beverage, spa, retail, ballroom, conventions space and lounges. The podium will also include on parking level at grade and three levels of underground parking, offices and staff support, and back-of-house support areas including a warehouse and maintenance facility. The tower will consist of 21-stories (369 feet) with approximately 671 hotel guest suites.

- Construction cost: \$2.4 Billion
- Total Square Footage: 3,100,000 sf
- Construction Type: Type IA
- Occupancy Type(s): Group A-2, A-3, Group B, Group F-1, Group M, Group R-1, Group S-1, S-2
- Client Name: Wynn Design and Development
- GC: Suffolk Construction Company, Inc.
- AHJ: Everett Building Department. James Soper (Building Commissioner), 617-394-2224. Wayne Beumier from 4Leaf , Inc. was hired as a third party inspector on behalf of the City, 617-381-4615.

Stamford Hospital, Stamford, CT

Stamford Hospital recently opened their new \$450 Million, 650,000 sf, 12-story facility. Code Red Consultants was retained directly by Stamford Hospital to serve as an independent third-party inspector during construction. CRC was responsible for performing firestopping inspections, fire door inspections, construction of fire and smoke rated walls, means of egress, and other key life safety and fire protection features in accordance with the Connecticut State Building Code, Connecticut State Fire Code and NFPA 101, and the Life Safety Code by the Joint Commission and Department of Public Health. Code Red Consultants worked closely with Stamford Hospital, WHR Architects, and Skanska to help ensure that the construction was compliant with the applicable codes and standards. In addition to their inspection role, Code Red Consultants also prepared master life safety drawings and fire protection inventory drawings for fire dampers, fire doors and sprinkler control valves for Stamford Hospital.

- Construction Cost: \$450 Million
- Total Square Footage: 650,000 SF Fit out, 80,000 sf shell
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2
- Client Name: Stamford Hospital. Mike Smeriglio, Exec Director of Facilities 203-932-1901
- GC: Skanska

- AHJ: Stamford Building Department. Mike Musco from Musco Engineering was hired as a third party inspector on behalf of the City. 203-932-1901

Baystate Children's Hospital Procedure and Infusion Springfield, MA

The project consists of the fit-out of an existing shell space on the Third Floor of the Mass Mutual building located on the campus of Baystate Medical Center in Springfield, MA. The project work area includes approximately 15,000 ft² of existing space and will contain an Infusion and Exam Suite, as well as a Procedure Suite.

- Construction Cost: \$6.7 Million
- Total Square Footage: 15,550 SF
- Construction Type: Type IA
- Occupancy Type(s): Group I-2 Hospital, Group B Office/Lab, Outpatient Care, Group S-2 Mechanical Support Space
- Client Name: Steffian Bradley Architects; Ryan Gorscak, 860-627-1920
- GC: Unk.
- AHJ: Springfield Building Department, 413-787-6641

Boston Medical Center Menino Building, Boston, MA

The Boston Medical Center Menino project includes the demolition of an existing infill building, construction of a new 120,000-square-foot addition, 220,000 square feet of renovations to the Menino Pavilion and construction of a pedestrian bridge with elevator towers at each end. Once open, the expanded facility will include services for radiology, surgery, emergency and trauma, pharmacy, central sterile processing, interventional procedures and inpatient care units. The work on the project is being executed while the building is partially occupied and the phasing plan includes a complex 23 phase occupancy permitting process.

Code Red Consultants has been retained directly by Boston Medical Center to provide ASTM E2174 and E2393 firestop inspection services on the project. In this role, Code Red Consultants has maintained a weekly on site presence throughout the 5 year construction project. Deficiencies are noted utilizing the BIM 360 software program and Code Red Consultants monitors and follows up with installers weekly to ensure all noted items are closed out.

- Construction Cost: \$184 Million
- Total Square Footage: 340,000 SF
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2, Group A-3
- Client Name: Boston Medical Center, Brendan Whalen, Director of Design and Construction 617-448-2395
- GC: Suffolk Construction
- AHJ: Stamford Building Department. Mike Musco from Musco Engineering was hired as a third party inspector on behalf of the City. 203-932-1901

CERTIFICATE OF ACHIEVEMENT



INTERNATIONAL FIRESTOP COUNCIL

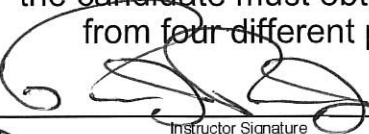
THE Source of Firestop Expertise®

presents this certificate to

Jason Hopkins

In recognition of successfully passing the examination covering the "IFC recommended knowledge base for 3rd party firestop inspectors"

To meet the full scope of the IFC recommended knowledge base, the candidate must obtain four 2-hour (minimum) sessions of hands-on product training from four different product manufacturers, as documented in the spaces below.

1	 Instructor Signature	5-23-18 Date	2	_____	_____
	Patrick J. Tesche Jr. Name of instructor (please print)			_____	_____
	IFC Representing (Company)			_____	_____
3	_____	_____	4	_____	_____
	Instructor Signature	Date		Instructor Signature	Date
	_____	_____		_____	_____
	Name of instructor (please print)			Name of instructor (please print)	
	_____	_____		_____	_____
	Representing (Company)			Representing (Company)	

On behalf of the International Firestop Council:

John Valiulis

EXECUTIVE DIRECTOR, INTERNATIONAL FIRESTOP COUNCIL

Issued: November 27, 2017 (certificate valid 3 years from date of issue)

Confirmation of this certificate holder's status can be confirmed at www.firestop.org/certificate-holders

International Firestop Council, 2660 S Utica Avenue, Tulsa, OK 74114 USA +1-918-200-3757, info@firestop.org



JAMES MCLAUGHLIN, P.E.

Consultant

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Master of Science, Fire Protection Engineering,
December 2011
Rensselaer Polytechnic Institute
Bachelor of Science, Civil Engineering, May 2009

PROFESSIONAL AFFILIATIONS

National Fire Protection Association (NFPA)
MA Registered Fire Protection Engineer #51524
IFC Certified 3rd Party Firestop Inspector

CONTACT

154 Turnpike Road, Suite 200
Southborough, MA 01772
617-500-7633
jmclaughlin@crcfire.com

CODE RED CONSULTANTS

PROFESSIONAL EXPERIENCE

James McLaughlin is a professional fire protection engineer and a Consultant with Code Red Consultants. Mr. McLaughlin's work is concentrated on providing client-driven fire protection and life safety code consulting services to architects, designers, contractors, building owners, and other engineers to achieve compliance with local, state, and federal codes and standards. He has significant experience generating comprehensive prescriptive fire protection and life safety code reports for new and existing buildings, as well as preparing performance-based code compliance alternatives, equivalencies, and variances. Beyond his code consulting services, Mr. McLaughlin is experienced with many phases projects all the way from design assistance up to construction inspections, commissioning of fire alarm and smoke control systems.

Mr. McLaughlin has provided fire protection and life safety code consulting services for a variety of projects including healthcare, higher education, high-rise buildings, large assembly spaces, mixed-use buildings, storage warehouses, military, and government-owned facilities. Additionally, his project work has included privately owned facilities, local, state, and federally funded projects.

Mr. McLaughlin is proficient in developing high-quality, intuitive, and actionable memorandums and graphics to quickly address client questions and needs. He has extensive experience negotiating with Authorities Having Jurisdiction (AHJ) to present alternative means and methods for achieving code compliance. Mr. McLaughlin is also familiar with all local, state, and federal building, fire, and life safety codes.

RELEVANT PROJECT EXPERIENCE

Baystate Wing Hospital Emergency Department Expansion, Springfield, MA

Baystate Children's Procedure and Infusion Suite, Springfield, MA

Putnam Hospital Emergency Department Expansion, Carmel, NY

Baystate Wing Hospital Joint Commission Inspection Support, Palmer, MA

Elliot Hospital 2017 SOC, Manchester, NH

PROJECT EXPERIENCE JAMES MCLAUGHLIN

Wynn Boston Harbor Casino, Everett, MA

The Wynn Boston Harbor Casino project entails the new construction of a mixed-use building with a footprint area of approximately 500,000 sf and an aggregate area of approximately 3,100,000 sf. The podium will include a casino, food and beverage, spa, retail, ballroom, conventions space and lounges. The podium will also include on parking level at grade and three levels of underground parking, offices and staff support, and back-of-house support areas including a warehouse and maintenance facility. The tower will consist of 21-stories (369 feet) with approximately 671 hotel guest suites.

- Construction cost: \$2.4 Billion
- Total Square Footage: 3,100,000 sf
- Construction Type: Type IA
- Occupancy Type(s): Group A-2, A-3, Group B, Group F-1, Group M, Group R-1, Group S-1, S-2
- Client Name: Wynn Design and Development
- GC: Suffolk Construction Company, Inc.
- AHJ: Everett Building Department. James Soper (Building Commissioner), 617-394-2224. Wayne Beumier from 4Leaf, Inc. was hired as a third party inspector on behalf of the City, 617-381-4615.

Baystate Children's Hospital Procedure and Infusion Springfield, MA

The project consists of the fit-out of an existing shell space on the Third Floor of the Mass Mutual building located on the campus of Baystate Medical Center in Springfield, MA. The project work area includes approximately 15,000 ft² of existing space and will contain an Infusion and Exam Suite, as well as a Procedure Suite.

- Construction Cost: \$6.7 Million
- Total Square Footage: 15,550 SF
- Construction Type: Type IA
- Occupancy Type(s): Group I-2 Hospital, Group B Office/Lab, Outpatient Care, Group S-2 Mechanical Support Space
- Client Name: Steffian Bradley Architects; Ryan Gorscak, 860-627-1920
- GC: Unk.
- AHJ: Springfield Building Department, 413-787-6641

Baystate Medical Center Mass Mutual Building Phase 2 and 3, Springfield, MA

Christopher Lynch and Carl Nelson acted as code consultants and third-party reviewers on Phase 2 and Phase 3 of the fit out of the new 641,000 hospital tower that totaled \$296 Million in Construction Cost. The scope of services provided included developing the code compliance approach for the fit out of a new emergency department, pharmacy, and several floors of inpatient treatment and sleeping areas. Additionally, Mr. Lynch and Mr. Nelson performed firestop inspections, fire door inspections, and reviewed the construction project for compliance with the Life Safety Code.

- Construction Cost: \$296 Million
- Total Square Footage: 641,000 SF
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2, Group A-3
- Client Name: Baystate Medical Center; Ryan Thomann 413-794-5639
- GC: Suffolk Construction
- AHJ: Springfield Building Department, 413-787-6641

Elliot Health System, Manchester, NH

- Construction Cost: n/a
- Total Square Footage:
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2, Group A-3
- Client Name: Elliot Health System, Kristen Doucet, 603-663-3000
- GC: n/a
- AHJ: n/a

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	IFC	_____		_____	_____
	Representing (Company)			Representing (Company)	
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On behalf of the International Firestop Council:

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- GC: Suffolk Construction
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- Construction Cost: n/a
- Total Square Footage:
- Construction Type: Type IA
- Occupancy Type(s): Group I-2, Group B, Group S-1, S-2, Group A-3
- Client Name: Elliot Health System, Kristen Doucet, 603-663-3000
- GC: n/a
- AHJ: n/a

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