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# Buildingsonfire 2011

**Building Construction,  
Command Risk Management and  
Firefighter Safety for Field Operations**

A Structural Anatomy™ Building Construction Series

Executive Producer: Christopher J. Naum, SFPE

## Building Construction and Systems Training for Commanders, Company Officers & Firefighters

An intense and concentrated series of programs examining trends and methods in building construction for the fire service with an emphasis on construction and occupancy risk assessment, structural and construction systems, and their direct relationship on structural combat firefighting operations, firefighter survivability and the command decision-making process. Understand building systems and occupancy performance under fire conditions is mission critical with new and emerging technical information and data that is redefining tactical and operational models and firefighting protocols with new rules of engagement.

Participants will gain an understanding of inherent construction features and hazards that directly influence effective risk management and decisive strategic and tactical considerations with a focus on key construction features, inherent occupancy profiles that will influence strategic, tactical and task level operations and crucial assembly systems affected by fire dynamics, extreme fire behavior and combat fire suppression operations.

These programs & seminars examine crucial considerations for Reading the Building, Occupancy Risk Profiling, Adaptive Fireground Management, Tactical Patience, Predictive Occupancy Performance and Construction Resiliency correlating building construction performance toward combat structural fire suppression operations. Case studies will reinforce concepts presented and evoked open discussion and dialog on building construction and operational safety. Utilizing extensive multimedia materials, interactive activities, case studies and simulations to reinforce course content and subject areas, providing exceptional learning opportunities.

**Integrating the Art & Science of Building Construction,  
Firefighting and Command Risk Management for  
Enhanced Field Operations, Firefighter Safety,  
Strategic & Tactical Operational Decision-making.**

## New Seminar & Lecture Topics for 2011

**Building Construction for  
the Command & Company Officer**

**Tactical Operations and  
The New Rules of Fire Engagement**

**Engineered Structural  
Systems & Fireground Operations**

**Building Construction, Command  
Risk Management and Operational Safety**

**Dynamic Risk Assessment of  
Occupancies for Operational Safety**

**The Doctrine of Combat Fire Engagement 2011**

**Reading the Building:  
Predictive Occupancy Profiling**

**Five Star Command**

Contact us for Keynote Lectures, Special Presentation needs and additional Program offerings

**Building Knowledge = Firefighter Safety**



## Christopher J. Naum, SFPE

Chief of Training, Command Institute, Washington, DC  
Second Vice President, ISFSI and Board Member IAFC SH&S Section



A 36-year fire service veteran and former Fire Chief/ Coordinator, he is a highly regarded nationally recognized authority on building construction, command risk management and firefighter safety, having traveled throughout the United States, United Kingdom, Canada & Asia.

An Adjunct Instructor with the National Fire Academy, and NFFF/EGH State Firefighter Safety Advocate, he is a member of the Board of Directors, IAFC Safety, Health & Survival Section, the and the ISFSI. A former architect & fire protection engineer he was the 1987 ISFSI George D. Post National Fire Instructor of the Year. He authors the Structural

Anatomy of Buildingsonfire blog column on Firehouse.com; focusing on building construction, command management and firefighter safety & advocates and writes extensively within various fire service eMedia training forums and groups including Fire Engineering, FireRescue1 and Firefighter Nation. He is the Executive Producer of three websites, CommandSafety.com, TheCompanyofficer.com and the informational portal www.buildingsonfire.com dedicated to building construction, command risk management and firefighter safety. He is the Second Vice President with the International Society of Fire Service Instructors [ISFSI] and a Contributing Editor with Firehouse Magazine and Firehouse.com. He previously served as a commanding company officer for over twenty years in field operations with a volunteer fire department in New York and is a technical reviewer to the NIOSH Firefighter Fatality Investigation & Prevention Program, Firefighter LODD Reports & Investigations. Chief Naum presents his popular structural anatomy building construction & firefighter safety training series throughout the United States & internationally and has delivered training to over 200,000 personnel throughout his career and is presently authoring a new text book integrating building construction, risk management and firefighter safety for the fire service. His new syndicated eMedia radio program Taking it to the Streets can be heard monthly on FirefighterNetcast.com

## Preparing to Meet the Challenges of Structural Fire Combat Engagement



### Building Construction for the Command and Company Officer

Effective and safe fireground operations requires command and company officers to have a profound need to understand building systems and occupancy performance under fire conditions. Examining current trends and methods in building construction that affect operational level risk assessment and strategic and tactical decision-making in the development of incident action plans; topics include construction & occupancy risk profiling, risk assessment, structural construction systems and relationships on firefighting operations, tactical patience, command compression, firefighter survivability & the command decision-making process.

### Tactical Operations and the Rules of Fire Engagement

Today's buildings and occupancies present challenges that have redefined strategic and tactical fireground operations and have changed the rules of engagement in structural fire incidents. This program will present the new rules of structural fire engagement and provide insights into integrated command and operational risk management, tactical safety and tactical protocols based upon occupancy risks and reading a building.

### Reading the Building; Predictive Occupancy Profiling

Today's buildings and occupancies continue to present unique challenges to command and operating companies during combat structural fire engagement. Building and occupancy profiling, identifying occupancy risk versus occupancy type, emerging construction methods, features, systems and components coupled with the increasing commonality of extreme fire behavior and the increased fire load package require new skill sets in reading the building and implementing predictive occupancy profiling for firefighters, company and command officers.

### The Doctrine of Combat Fire Engagement 2011

Combat fire suppression and field operations are being impacted on a variety of levels with demands for increased integration of firefighter safety, expanding risk management; modified tactical protocols and new skill sets for fire service personnel. Addressing the five fundamental core relationships of building construction, risk management, firefighter behaviors, incident operations and situational safety, this program will present where the fire service is heading in 2011 and beyond.

### Buildings on Fire: Engineered Structural Systems & Fireground Operations

The prevailing use of engineered structural support systems and assemblies within current building construction and occupancies has contributed significantly to command and operational challenges and LODD events. This program presents defined strategic and tactical perspectives on building construction principles with truss and other engineered systems, effective command operations, risk management and tactical firefighter safety. Case studies will be presented with focused discussions and the lessons learned.

### Building Construction, Command Risk Management and Operational Safety

An insightful and thought provoking look at Building Construction and command safety with the emphasis on firefighter safety and risk management on the fireground related to the changing paradigms for an improved safety culture in the fire service. The program will review key building construction systems, occupancies, assemblies and features with an emphasis on dynamic risk assessment, recognition-primed decision making and safety insights. Case studies will be presented with focused discussion on the lessons learned. This program will provide a fresh perspective on command accountability, tactical responsibility and firefighter safety for all ranks.

### Dynamic Risk Assessment of Occupancies for Operational Safety

An examination of dynamic risk assessment factors of various building occupancy types, with an emphasis on occupancy-building construction profiles and inherent structural systems for operational safety with an enhanced focus and continuing assessment of building structural integrity, fire behavior and construction performance to ensure the safety and integrity of tactical company missions within the incident action plan at various buildings and structures, regardless of their construction type, materials, occupancy classification, age or size.

### Buildings on fire 2011

Providing key insights with fundamental core information on the dynamic risk assessment of building construction, occupancy hazards, systems and assembly performance, structural collapse indicators and safety awareness during combat fire suppression operations. Key fundamental principles and their rules of combat structural fire engagement will be presented and reinforced, integrating case studies, firefighter injury reduction & line of duty death initiatives and providing cutting edge insights on Building Construction for the Fire Service.

### Five Star Command™; Defining Firefighter Safety during Combat Fire Engagement

This program presents new concepts and methodologies of Five Star Command™ and the five (5) fundamental core relationships of; Building Construction, Risk Management, Firefighter Behaviors, Incident Operations and Situational Safety. The concept of Five Star Command™ will present these five fundamental core elements along with the five points of excellence within each domain that provide an intelligent and safe approach towards unified fireground safety, risk reduction, operational superiority and company integrity. This program provides a clear roadmap for defined training and operational area that support integrated firefighter, company and command officer development and proficiencies.

Select Programs, Contact us for other offerings [christopher.naum@gmail.com](mailto:christopher.naum@gmail.com)



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