

# Buildingsonfire.com



*Dedicated to the Art and Science of Building Construction,  
Firefighting and Command Risk Management for  
Operational Excellence and Firefighter Safety*

*Executive Producer  
Christopher J. Naum, SFPE  
Building Knowledge = Firefighter Safety*

## **Guide to Site Category Sections**



# Site Guide to Category Sections

The following list is compiled to provide guidance in identifying the Sections and Categories present within the Buildingsonfire.com site to support your informational, research and training needs while you navigate the site and its many offerings. This list will also support key terms, tags and searches.

## Main Sections

- [Home](#)
- [About Buildingsonfire.com](#)
- [Adaptive Fireground Management](#)
- [Anatomy of Buildings](#)
- [Buildingsonfire](#)
- [Five Star Command™](#)
- [Command Institute](#)
- [Training Division](#)
- [Seminars & Lectures](#)
- [Taking it to the Streets Radio](#)
- [The Research Hub](#)
- [Buildingsonfire Alerts](#)
- [The Buildingsonfire Store](#)
- [Buildingsonfire Forums \(coming mid 2011\)](#)

## Features

- [A View from the Streets](#)
- [All Hands Reports](#)
- [In Quarters](#)
- [Vital Signs](#)

**Building Knowledge = Firefighter Safety**



## Welcome to Buildingsonfire.com

*The premier authoritative and informational site that provides leading insights on fire service issues related to Building Construction for the Fire Service, Firefighting Operations and Command Risk Management for Operational Excellence and Firefighter Safety.*

If you don't fully understand how a building truly performs or reacts under fire conditions and the variables that can influence its stability and degradation, movement of fire and products of combustion and the resource requirements for fire suppression in terms of staffing, apparatus and required fire flows, then you will be functioning and operating in a reactionary manner.

This places higher risk to your personnel and lessens the likelihood for effective, efficient and safe operations. You're just not doing your job effectively and you're at RISK. These risks can equate into insurmountable operational challenges and could lead to adverse incident outcomes. *Someone could get hurt, someone could die, it's that simple, it's that obvious.*

The axiom of Building Knowledge = Firefighter Safety (2008) continues to form the basis for effective operations, for it's the knowledge of the building and it's anatomy that defines the level of operational safety and incident success share by all personnel and operating companies at the incident. Without understanding the building-occupancy relationships and integrating; construction, occupancies, fire dynamics and fire behavior, risk, analysis, the art and science of firefighting, safety conscious work environment concepts and effective and well-informed incident command management, company level supervision and task level competencies...You are derelict and negligent and "not "everyone may be going home".

Our current generation of buildings, construction and occupancies are not as predictable as past conventional construction; risk assessment, strategies and tactics must change to address these new rules of structural fire engagement. The traditional attitudes and beliefs of equating aggressive firefighting operations in all occupancy types coupled with the correlating, established and pragmatic operational strategies and tactics must be adjusted and modified to include intelligent risk assessment, calculated risk analysis, safety and survivability profiling, and strategic operational and tactical value. The demands and requirements of modern firefighting will continue to require the placement of personnel within situations and buildings that carry risk, uncertainty and inherent danger. As a result, risk management must become fluid and integrated with intelligent tactical deployments and operations recognizing the risk problematically and not fatalistically, resulting in safety conscious strategies and tactics. *We need to think about the Predicative Strategic Process, refined Tactical Deployment Models integrating intelligent Structural Anatomy, and Predictive Occupancy Profiling, Effectively Reading the Building and Tactical Patience.*

There is a need to gain the building construction knowledge and insights and to change and adjust operating profiles in order to safe guard companies, personnel and team compositions. It's all about understanding the building-occupancy relationships and the art and science of firefighting, integrating effective incident and command decision-making, dynamic risk assessment and management, coupled with streaming situational awareness and measured firefighting; Building Knowledge = Firefighter Safety, it's all about going home after that call.

Buildingsonfire.com coupled with its companion sites [CommandSafety.com](http://CommandSafety.com) and [TheCompanyofficer.com](http://TheCompanyofficer.com) will continue to provide prominent and timely information to support the continuing traditions and missions of the Fire and Emergency Services.

**Christopher J. Naum, SFPE**

Christopher.naum@gmail.com  
Buildingsonfire@gmail.com

December 27, 2010

**Building Knowledge = Firefighter Safety**

# Category Sections

- **Category**
  - **Section**
    - **Sub-section**
      - **Groups**

## Adaptive Fire Ground Management

- Predictive Occupancy Performance
  - Theory & Models
  - Performance
  - Indicators & Aides
- Command Compression
- Command Resiliency
- Probability of Adverse Consequences
- Predictive Occupancy Performance
- Predictive Strategy
- Tactical Deployment Model
- Tactical Patience
- Tactical Entertainment

## All Hands Reports

## Anatomy of Buildings

- The Virtual Architect
  - Architectural Technology
  - Design & Theory
  - The Bauhaus
  - The Field Office
- Fire Protection Engineering
  - Fire Dynamics & Behavior
    - Extreme Fire Behavior
    - Fire Behavior
    - Fire Suppression
    - Fire Loading & Materials
    - Fire Integrity & Resistance
    - Wind Drive Fire Theory
  - Science & Technology
  - Protective Systems
- Buildings
- Structural Systems
- Engineered Systems & Materials

- The Construction Site
- Structural Triage
- The Collapse Zone
- Structural Extrication
- Structural Renovation & Deconstruction

## A View from the Street

### Associations

- AIA
- CFSI
- CFPS
- DHS
- EGH
- IAFC
- IAFC SHS
- IAFF
- ISFSI
- NFFF
- NFPA
- NVFC
- NFFNMRS
- NYSAFC
- SFPE
- FDSOA
- EFO

## Building Construction for the Fire Service

### Buildingsonfire

- Reading the Building
- Combat Fire Engagement
- Safety & Survival
- Rules of Engagement
- Risk Assessment
  - Risk Management
  - Command Risk Assessment
  - Situational Awareness
  - Decision-Making
  - Pre-Planning
- Command Safety
- Command FACTS
- Tactical Operations
- Most Error-Likely Tactic: MELT

## Buildingsonfire Alerts

### Construction Profile

- Engineered
- Conventional
- Legacy
- Heritage
- Historical
- Classical
- Green
- Light Weight
- Other

### Construction Types

- Type I Fire Resistant
- Type II Non-Combustible
- Type III Ordinary
- Type IV Heavy Timber
- Type V Wood
- Mixed
- Hybrid
- Other

### Construction Systems

- Assemblies
- Steel
- Concrete
- Masonry
- Wood
- Plastic
- Green
- Timber
- Heavy Timber
- Stone
- Engineered
- Synthetic
- Natural
- Earthen
- Mixed/Combined
- Roof
- Floor
- Wall
- Enclosure
- Compartment

- Separation
- Fire Area & Fire Zone
- Structural Support
- Fire Loading
- Fire Package
- Fire Dynamics
- Fire Protection System
- Alarm & Detection System
- HVAC System
- Site Planning
- General
- Transportation
- Utilities
- Communication
- Electrical
- Security
- Intrusion
- Biotic & Genetic
- Counter Terrorism
- Environmental & LEEDS
- Other
- Not Applicable

## **Codes and Standards**

## **Combat Fire Suppression**

## **Command Institute**

## **Commandsafty.com**

## **Engineering**

### **FDNY**

- Black Sunday
- Brooklyn
- Bronx
- Manhattan
- Queens
- Special Operations
- Staten Island
- WTC 911

## **Factory Mutual**

**FEMA**

**Fill the Box**

**Fire Service**

**Fire Service Tradition**

**Fire Suppression**

**Firefighter Netcast.Com**

**Firefighter Safety**

**Firefighting**

**Firefighting Operations**

**Firefighter Health and Safety**

**Firefighting Strategies**

**Firefighting Tactics**

**Fire Prevention Education**

**Fire Rescue Topics**

**Five Star Command™**

- Theory
- Domains
- Curriculum
- Training
- References

**Government**

- CDC
- FEMA
- NETC
- NIOSH
- NIST
- NFA

**Hazardous Materials**

**Hazards**

## Health and Safety

## Historical

## In Quarters

## In the Streets

## Incidents & Events

- Case Study
- Major Incidents
- Factors
  - Fire
  - Collapse
  - Heat
  - Smoke
  - Flame Spread
  - Failure
  - Compromise
  - Explosion
  - Impact
  - Impingement
  - Exposure
  - Contact
  - Terrorism
  - Command
  - Operations
  - Planning
  - Logistics
  - Finance
  - Reconnaissance
  - Other
  - Environment
    - Snow
    - Rain
    - Wind
    - Water
    - Earthquake
    - Age
    - Exposure
    - Geological
    - Infestation
    - Other

- Lessons Learned
- History Repeating Event
- Topical Report Series
- Severity
  - Not Applicable
  - Near Miss
  - Incident Only
  - Firefighter Injury
  - Firefighter LODD
  - Multiple FF LODD
  - Civilian Injuries
  - Civilian Fatalities
  - Mass Casualty
  - Large Property Loss
  - Catastrophic
  - Large Scale
  - Other

## ISO

### Occupancy Classifications

### Occupancy Risk

### Occupancy Risk Profiling

### Occupancy Type

- Residential
  - One & Two Family Dwelling
  - Modular
  - Prefabricated
  - Other
- Multiple Occupancy
  - Garden Apartment
  - Townhouse
  - Tenement
  - Deckers & Flats
  - Apartment Building
  - Low Rise
  - High Rise
  - Mixed Use
- Lodging & Rooming House
- Hotel & Dormitory
- Residential Board & Care
- Mercantile
- Business

- Industrial
- Manufacturing
- Storage
- Warehouse
- Occupancies in Special Structures
- Special Construction
- Special Use
- Entertainment
- Shopping Center
- High Hazard
- High-Rise
- Educational
- Assembly
- Health Care
- Detention & Correctional
- Institutional
- Miscellaneous
- Utility
- General
- Mixed

### Occupancy Phase

- Not Applicable
- Abandoned
- Construction
- Unoccupied
- Vacant
- In Use
- Operational
- Renovation
- Alteration
- Demolition
- Deconstruction
- Decontamination
- Conversion
- Repairs
- Retrofit
- Conservations
- Cosmetic

## Research Hub

- History Repeating Events-HRE
  - Case Studies
  - Operating Experience
  - Media
- Documents
  - Studies & Reports
  - Technology
  - Best Practices
  - References
- Research
  - NIST
  - NFPA
  - USFA
  - NIOSH
  - Academic
  - Professional
  - International
  - Miscellaneous
- Statistics & Data
  - Injuries
  - LODD
  - Property Loss
  - Operations
  - Miscellaneous
- NFFF
  - Everyone Goes Home
  - NFFF's Firefighter Life Safety Initiatives
  - References
- Near Miss Reporting System
- USFA Library
- General Miscellaneous
  
- Riding List
  - Agencies & Associations
  - Firefighting & Protection
  - Architectural
  - Engineering
  - Safety
  - Organizations & Governmental
  - Reference & Research
  - Books & Manuals
  - Miscellaneous

**Recommendations**

**Reference**

**Remembrance**

**Reports**

**Research**

**Resources**

**RIT and FAST**

**Safety Culture**

**Safety Week**

**Scenarios**

**Seminars & Training**

- Seminar Programs
- Lectures Series
- Key Note Addresses
- Training
- Special Programs

**Signal 5-5-5-5**

**Special-Operations**

**Statistics**

**Structural Collapse**

**Structural Compromise**

**Structural Assembly**

**Structural System**

**Structure Fires**

**Systems and Assemblies**

## Strategy and Tactics

### Ten Minutes in the Street

- Scenarios
- Exercises

### Thecompanyofficer.com

### The Streets Radio

- Taking it to the Streets Radio Shows
- MP3 PODcasts and Downloads

### Training Division

- Training Seminars and Programs
- The Virtual Training Officer
  - 10 Minutes in the Street (Scenarios)
  - On the Job (Safety Minute)
  - Lesson Plans
  - Procedures & Policies
  - Stand down Materials
- Multi-Media Center
  - Images
  - Video
  - Audio
  - Graphics
- The Box Alarm ( User Contributed media resources, subscription based and password)
  - Desktop Wallpapers and Posters
- POD Casts
- Webinars
- Video casting
- Academies & Schools
- Miscellaneous
- Professional Development

## Uncategorized

## Underwriters Laboratories

## Urban Search and Rescue

## Vital Signs

### End of Section

December 27, 2010 Revision 01



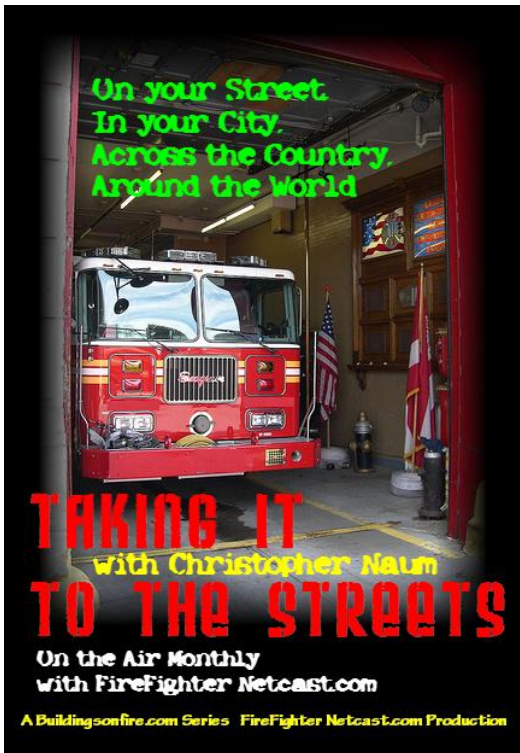
Follow Buildingsonfire.com on Facebook/Buildingsonfire with timely postings of informative links to keep you abreast of the days leading events, publications and news



Follow Commandsafety.com a Buildingsonfire.com Series on The FireEMSBlog.com family of Fire and EMS Bloggers



Follow Thecompanyofficer.com a Buildingsonfire.com Series on The FireEMSBlog.com family of Fire and EMS Bloggers dedicated to the aspiring, emerging and practicing Company Officer and Commanders.  
Executive Producers Christopher Naum & Douglas Cline



Tune in to one of the leading on-line national fire service radio programs, Taking it to the Streets, on the air monthly with Firefighternetcast.com on BlogTalk Radio. Listen to a live broadcast with prominent national Fire Service Leaders with listener call-in participation or download the show to your media device.

On your Street, In your City, Across the County and Around the World™

Taking it to the Streets is all about Advancing Firefighter Safety and Operational Integrity for the Fire Service through provocative insights and dynamic discussions dedicated to the Art and Science of Firefighting and the Traditions of the Fire Service.



Buildingsonfire.com and the Command Institute provides a comprehensive series of Lectures, Seminars and Training Programs addressing some of the leading issues affecting the Fire Service in the areas of Building Constructions, Integrating Emerging Firefighting Methodologies and Command Risk Management for Operational Excellence and Firefighter Safety.

Email us for the latest training brochure or download directly from the Seminars & Lectures Tab on the Buildingsonfire.com home page.

Contact us at:

- [Buildingsonfire@gmail.com](mailto:Buildingsonfire@gmail.com)
- [Christopher.naum@gmail.com](mailto:Christopher.naum@gmail.com)

Follow us on:

- [Twitter/ Commandsafety](#)
- [Twitter/Buildingsonfire](#)
- [Firehouse.com Blog and Column The Anatomy of Buildingsonfire](#)
- [FireRescue1.com at the Kitchen Table Blog](#)
- [Fireengineering.com Training Community](#)
- [Firefighter Nation.com](#)
- [Target Safety.com](#)

# Buildingsonfire.com

**An Informational, Reference and Training web site  
Dedicated to the Art & Science of Building Construction,  
Firefighting and Command Risk Management for  
Operational Excellence and Firefighter Safety**

**Executive Producer;**

**Christopher J. Naum, SFPE**

Command Institute, Washington, DC  
Second Vice-President International Society Fire Service Instructors  
Contributing Editor, Firehouse Magazine & Firehouse.com  
Board of Directors, IAFC Safety, Health & Survival Section  
NFFFEIGH Firefighter Safety Advocate

**Advancing Training, Knowledge, Skill Development and  
Safety Focus for the Fire Service, and  
Supporting the NFFF Firefighter Life Safety  
Initiatives and Everyone Goes Home Programs**

**Building Knowledge = Firefighter Safety™**

**Editorials**

**Multimedia**

**Articles & News**

**Podcasts & Webcasts**

**Training Support Media**

**Case Studies & Reports**

**Research & Reference Links**

**Comprehensive Documents & Files**

**Forums & interactive Simulations**

**Seminars and Lecture Series**

**Training Aides and Drills**

**On-Line Training**

**Downloads**

© 2003-2011 Christopher J. Naum, New York USA • [Facebook.com/Buildingsonfire](#) • 01-315-2477327 • [Buildingsonfire@gmail.com](mailto:Buildingsonfire@gmail.com)

• [Buildingsonfire.com](#) • [Commandersafety.com](#) • [TheCompanyofficer.com](#) • [twitter.com/Buildingsonfire.com](#)





---

## Notes and Scribbles