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Taking it to the Streets™

**Informational Aide
Building Construction, Hazards,
Methods and Factors affecting Field
Operations and Firefighter Safety**

A Structural Anatomy™ Building Construction Series

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The Anatomy of Buildings— BECOME SAFE

The United States Fire Administration National Fire Data Center reports that "for a ten year period, 1997-2006, 23.5% of on-duty firefighter fatalities occurred at the scene of structure fires."

The building environments that form and shape our respective response districts pose unique challenges to the day-to-day responses of fire departments and their subsequent operations at structural alarms. With the variety of occupancies and building characteristics present, there are definable degrees of risk potential with recognizable measures that must be taken.

Regardless of construction classification, each building type and occupancy can be affected adversely by flame and heat impingement due to fires, weather and environmental conditions, improper or inadequate construction techniques and methods as well as sub-standard or inappropriate construction materials and system assemblies.

Visit the resources at www.everyonegoeshome.com



Photo: Glen E. Ellman

"Discuss the concept of BECOME SAFE Related to a specific incident, building type, occupancy and operational profile conducted at an incidentApply the elements to various strategic or tactical tasks."



This includes the effective integration of **BECOME SAFE** concepts;

- **Building**
- **Evaluation**
- **Construction/occupancy**
- **Operational hazards**
- **Manage-time & elements**
- **Engagement**
- **Situational awareness**
- **Assessment & analysis-fluid**
- **Fire behavior & effects**
- **Evaluate & execute**

"The dynamics of firefighting and interaction within a structure during combat structural fire engagement has a correlating dependency between command and company officers; between risk management, building construction & firefighter survival; a relationship on incident mitigation and the RPDM process."