**Training/Facilitator Teaching Outline**

**Building Construction Hazards**

Objectives:

1. Identify hazards that firefighters will encounter in the contemporary fireground.
2. Develop situational awareness that can assist firefighters when fighting fires in buildings.
3. Build on initial fire training and highlight circumstances that can occur based on model building codes.

Time Frame:

20-30 Minutes

1. Introduction
   1. Building hazards affect firefighters daily
   2. Need for pre-incident surveys
   3. Understand limitations of built systems
2. Light weight wood truss
   1. Refer to NFFF Resource Kit 3 on the “Everyone Goes Home” website at

http://www.everyonegoeshome.com/kits/volume3/

1. Longer Travel Distances
   1. Deeper into buildings
   2. Air Management
2. Combustible Concealed Spaces
   1. West Bloomfield Fire Department (MI)
3. Buildings Under Construction or Renovation
   1. Deutsch Building Fire
4. New Materials
   1. Impact Resistant Dry-wall
   2. Green buildings
5. Power and Mechanical Systems
   1. More redundant systems
   2. Complex HVAC
6. The Green Buildings
   1. Added weight to roof tops
   2. Lack of ventilation
   3. Increased R-value of building
7. Conclusion and Wrap Up