



**VFPA, VDFP/VFMA AND THE AMERICAN WOOD COUNCIL PARTNER TO OFFER
DISTANCE LEARNING AND CONTINUING EDUCATION TRAINING OPPORTUNITIES**

In light of the COVID-19 Pandemic facing our fire and code enforcement communities; code enforcement personnel have been affected by the inability to attend continuing education opportunities. The Virginia Fire Prevention Association and the Virginia Fire Marshal Academy have partnered with the American Wood Council to offer several distance learning educational opportunities. The American Wood Council is an ICC preferred provider for ICC CEU's and their courses have been approved for VDFP/VFMA 1031-Fire Inspector CEU's.

While the impact of this pandemic has affected our annual meeting and training conference, it has not affected our dedication in providing our members, partners and stakeholders with opportunities to meet your training needs.

Below you will find a list of courses offered along with a registration link. Each course will be offered twice to expand the opportunities for your attendance. We hope each of you remains safe during this time and we hope to see you online at these training events.

With the Safety Regards,

Ernie Little, VFPA President

Demobilizing Construction Sites Safely Using the Model Codes

Offering Date: May 13, 2020

Registration Link: <https://awc.site-ym.com/event/VAFPS-BCD236>

Offering Date: May 15, 2020

Registration Link: <https://awc.site-ym.com/event/VAFPS-BCD236-II>

Course Information

Length: 1 hour

Course Description: Due to COVID-19, construction sites are being shut down all over the country. Abandoned and unprotected construction sites pose a risk to the community. During this shutdown it is the goal of the fire service that builders leave their construction site as reasonably fire safe as possible. This program provides guidance that is based on compliance with Chapter 33 of the 2018 International Fire Code, Chapter 33 of the 2018 International Building Code, and NFPA Standards 1 and 241.

Learning Objectives:

- a. Identify risks & hazards on constructions sites. Focus on hazards that can occur during the shutdown
- b. Apply model codes and standards that pertain to safety precautions during construction.

- c. Identify best practices regarding housekeeping, equipment, flammable and combustible materials, and other hazardous activities on construction sites.
 - d. Identify steps to take before shutting down the site to ensure fire safety.
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Tall Mass Timber Buildings & Fire Service Concerns

Offering Date: May 26, 2020 **Registration Link:** <https://awc.site-ym.com/event/VAFPS-DES607-I>

Offering Date: May 28, 2020 **Registration Link:** <https://awc.site-ym.com/event/VAFPS-DE607-II>

Course Information

Length: 1.5 hour

Course Description: This Course introduces firefighters and fire inspectors to tall mass timber (TMT) buildings, the history of cross laminated timber (CLT), how it is made and its properties. The Course outlines the new code requirements in the International Building Code (IBC) and discusses the extensive fire testing that was conducted. The program addresses specific fire service concerns.

Learning Objectives:

- a. Identify the make-up of the TWB Ad Hoc Committee and the process used to reach consensus on code changes.
 - b. Recognize how the new types of construction compare with existing types of construction in the *International Building Code* and specify the inherent differences.
 - c. Understand the process by which the allowable heights, areas, and number of stories permitted for the mass timber types of construction were developed and will be able to utilize the information for building design.
 - d. State the fire resistance requirements for mass timber building elements. Further, they will be able to discuss specific fire department concerns and how the new codes address those concerns.
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Construction Fire Safety Best Practices

Offering Date: May 19, 2020 **Registration Link:** <https://awc.site-ym.com/event/VAFPS-BCD231-I>

Offering Date: May 20, 2020 **Registration Link:** <https://awc.site-ym.com/event/VAFPS-BCD231-II>

Course Information

Length: 1.5 hour

Course Description: This Course introduces inspectors to the codes that safeguard buildings undergoing construction, major renovation and demolition. The course discusses best practices regarding hot work, housekeeping, storage, and site security. Students will learn the requirement and responsibilities of the construction site fire prevention program manager and the components of a well-crafted construction site pre-fire plan. They will preview the construction fire safety code changes coming in the 2021 edition of the International Fire Code.

Learning Objectives:

- a. Identify risks & hazards on constructions sites. Learn the leading causes of fires in structures under construction.
 - b. Apply model codes and standards that pertain to safety precautions during construction.
 - c. Identify best practices regarding housekeeping, equipment, flammable and combustible materials, and other hazardous activities on construction sites.
 - d. Identify the components of a good fire safety plan and be able to work with builders to develop a plan.
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Pre-planning and Fire Suppression of Building Under Construction**Offering Date:** June 3, 2020**Registration Link:** <https://awc.site-ym.com/event/VAFPS-BCD232-I>**Offering Date:** June 5, 2020**Registration Link:** <https://awc.site-ym.com/event/VAFPS-BCD232-II>**Course Information****Length:** 1.5 hour

Course Description: This program is designed to provide background and information to fire departments that may experience the construction of large area buildings in their community. Many fire departments have limited experience in the planning and response to these complex buildings. This requires a thorough understanding of the fire and building code provisions as well as the proper use of NFPA 241, *Standard for Safeguarding Construction, Alteration, and Demolition Operations* and NFPA 1620, *Standard for Pre-Incident Planning*. The second half of this program discusses fire suppression concerns and considerations when a large area construction site experiences a fire.

Learning Objectives:

- a. Identify risks & hazards on constructions sites. Learn the leading causes of fires in structures under construction.
 - b. Apply model codes and standards that pertain to safety precautions during construction and pre-incident planning.
 - c. Identify the procedures and methods of pre-incident planning from the moment a building is contemplated.
 - d. Using case studies develop strategies and tactics to suppress a fire on a construction site of a large area building.
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I-joists and Firefighter Safety**Offering Date:** June 10, 2020**Registration Link:** <https://awc.site-ym.com/event/VAFPS-BCD237-I>**Offering Date:** June 12, 2020**Registration Link:** <https://awc.site-ym.com/event/VAFPS-BCD237-II>**Course Information****Length:** 1 hour and 2 hours

Course Description: This program identifies the features and benefits of wood I-joists which explains the prevalence in the market. The program also explains UL fire testing that identified

the fire performance failures or light frame floor assemblies which led to changes in the floor protection requirements of the *International Residential Code*[®] (IRC). Those IRC protection requirements are explained. Alternate methods of protecting I-joint assemblies are explained along with the details of acceptable installation of specific assemblies. This program will discuss changes in housing stock and interior contents, and changes in building materials that have posed a challenge for firefighters.

Learning Objectives:

- a. Review wood I-joint and its application in residential construction.
- b. Identify wood I-joint fire protective assemblies and IRC requirements.
- c. Explain UL fire testing that identified the fire performance failures which led to changes in the floor protection requirements of the IRC.
- d. Discuss changes in housing stock and interior contents, and changes in building materials that have posed a challenge for firefighters.