



Session 1C Common Compliance Pitfalls: Fire Resistive Rated Ducts and Enclosures

This presentation is set up with the intent to be non-commercialized and code-focused on a very important and misunderstood subject. Many types of fire-resistive rated ventilation duct products are considered to achieve code compliance including; blankets, wraps, or batts that are applied directly to duct work, along with coated ducts and other manufactured duct assemblies.

In order to understand the product limitations, it is important to understand how different products achieve their fire resistance capabilities. Among other things, attendees will learn the basics for proper application of fire-resistive rated duct and enclosure assemblies' listings and approvals for compliance with the "symmetry testing" and "continuity" requirements from the ICC and NFPA. All products may be applied within limitations of their approvals and/or listings. The instructor of this seminar will describe how to properly apply products and review common pitfalls relating to the varied compliance approaches for the fire resistive protection of HVAC systems. Particular focus is applied to life safety ventilation applications, such as stairwell and elevator shaft pressurization systems, and we will examine when the distribution of HVAC duct systems may affect life safety features of the structure, such as shaft enclosure penetrations along with protection of fire resistive rated floor/ceiling assemblies.



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Joseph Hauf, PE is a licensed professional engineer in multiple states in the Mid-Atlantic and Southeast US. Mr. Hauf made his start in life safety engineering with Rolf Jensen & Associates, Inc. out of their Washington, DC office in 1988, while studying in the Fire Protection Engineering program at the University of Maryland. He has over 29 years of experience in life safety and fire protection engineering for complex, high-rise, mixed-use projects in various jurisdictions in the United States and abroad. His extensive experience with smoke control systems and their associated infrastructure over that time paved the way for development of this insightful course.

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