



The BILCO Company offers a number of training courses that provide continuing education for architects and construction professionals. Please contact us if you would like to receive a live or virtual lunch and learn on any of these topics.

## Designing Roofs for Life Safety and Sound Isolation

Explore expert insights on how to specify sound-rated automatic smoke vents



### Learning Objectives:

Summarize how automatic smoke vents work in response to a fire event and how they modify the way that a fire progresses through a burning building.

Select the appropriate noise-measuring metric to evaluate the sound-buffering performance of building facade products that need to mitigate noise made from airplanes, construction activities, and traffic.

Explain the ways that automatic smoke vents are required to be incorporated into a design by the standard NFPA 204, authored by the National Fire Protection Association (NFPA), the 2018 International Building Code, and the International Fire Code (IFC).

Describe the many ways that automatic smoke vents offer better protection for people, firefighters, and property in the event of a fire.

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Credits: 1 AIA LU/HSW, 0.1 IACET CEU, 1 AIBD P-CE, AAA 1 Structured Learning Hour, AANB 1 Hour of Core Learning, AAPEI 1 Structured Learning Hour, MAA 1 Structured Learning Hour, NLAA 1 Hour of Core Learning, NSAA 1 Hour of Core Learning, NWTAA 1 Structured Learning Hour, OAA 1 Learning Hour, SAA 1 Hour of Core Learning

## Fighting Fires and Saving Lives Large, Single in -Story, Undivided Buildings

A closer look at the need to incorporate automatic smoke vents into these designs



### Learning Objectives:

Explain why using automatic smoke vents in large, single-story, undivided buildings became common after the 1953 General Motors fire and the standard that was developed to guide the design of these life-safety systems.

Understand how automatic smoke ventilation changes the development of a fire in large, single-story, undivided buildings, and the benefits that this fire- and life-safety product provides.

Identify the applicable fire- and life-safety codes that dictate the use of automatic smoke ventilation.

Specify the automatic smoke vent that is best suited for the unique needs of a project

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