



**Learning Beyond  
Expectations**

# The Sound of Silence on Steel Framing

## Participants

This course is designed for architects, specifiers, design professionals, architecture and design students, building owners and others that have a desire to learn more about building sound control. The course is for those that want to gain a better understanding of sound control in steel framed buildings.

## Presentation Format

This course uses PowerPoint with audio and video. It may be presented in-person at your office or virtually.

## Technology Requirements

The course requires projection capabilities for the PowerPoint presentation, power and an HDMI connection. A sound system or speakers are required as the presentation contains video and audio.

## Presenter Qualifications

PABCO® Gypsum is a division of PABCO Building Products, a division of Pacific Coast Building Products, an AIA Certified Continuing Education Provider.

All speakers are approved Pacific Coast Building Products presenters.

## Contact

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## Description

In this course, the design professional will consider noise and how it impacts the health and welfare of humans. We will review the sound transmission class ratings to better determine acceptable levels of noise. We will examine some common techniques used to isolate noise through building partitions and the challenges associated with designing for steel framing. This will culminate in a discussion of design details and why, particularly with steel framing, the details matter in achieving the desired results.

We will discuss the benefits of incorporating constrained layer damped gypsum panels to enhance performance. Lastly, we will talk about flanking and some simple design driven mitigation techniques.

## Learning Objectives

Upon completion of this course, the design professional will be able to:

**Identify** the negative impacts of noise (unwanted sound) and explain how they impact the health and welfare of building occupants.

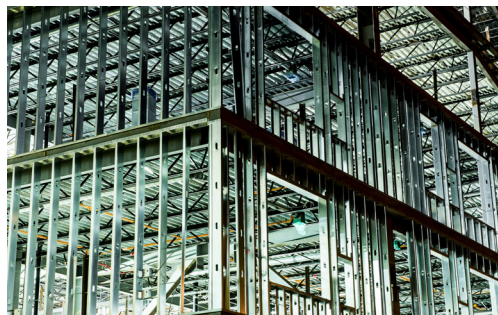
**Define** sound transmission class and explain how STC ratings are used to determine acceptable levels of sound for occupants of different types of buildings.

**Discuss** the advantages and disadvantages of using common methods of sound isolation on steel framing and the use of constrained layered damped gypsum panels in order to achieve less harmful levels of noise for people.

**Analyze** various applications where constrained layered damped gypsum has been installed and explore the benefits to both the physical environment and the occupants that have been achieved as a result of using a product created to reduce noise.

## Credits

1 AIA LU/HSW CE Hour



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Provider #: Pacific Coast Building Products, T044  
Course #: QRK 120