



CFSEI

COLD-FORMED STEEL
ENGINEERS INSTITUTE

Thursday, June 9, 2011 CFSEI presents

Fire Resistive Noise Control Solutions for Cold-Formed Steel



Since many of the original fire and acoustical tests were performed on steel- and wood-framed assemblies, both the code requirements and construction materials have changed. Gypsum board of the same rating and thickness now may have lower mass, and thus lower sound attenuation capabilities. Resilient channel properties depend upon the thickness and location of punchouts.

Learn what properties and materials have changed, and how to specify appropriate materials to meet fire and acoustic code requirements. This presentation will help you know what the minimum requirements of the code are, and how owners may sometimes increase these requirements for specific applications or occupancies. This presentation will help you understand how both the spacing and thickness of steel framing members affect both fire and

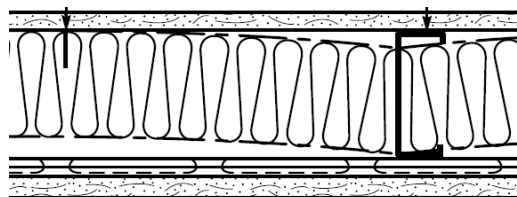
acoustic performance.

Date: Thursday, June 9, 2011
Time: 3 p.m. Eastern; 2 p.m. Central; 1 p.m. Mountain; Noon Pacific; 9 a.m. Hawaii
Format: Web-based seminar using "Go To Meeting" technology.
Duration: 1+ hour of lecture and design examples, followed by 30 minutes of discussion and questions. (1.5 hour total—however this is registered for 1 hour of continuing education)
Cost: \$75 per computer screen for CFSEI & SFA Members;
\$100 for non-members

Unlimited participants from the same firm at each screen. Gatherings at professional associations are encouraged, but need to be communicated and approved by CFSEI.

Late Registration: Registrations must be received 48 hours prior to the webinar time or a \$20 late registration fee will be assessed.

Continuing Education: 1.0 hour available. Additional participants registered by a non-member can purchase continuing education credits for \$25 each.



Who Should Attend?

- Structural engineers & Architects
- Acoustical Consultants
- Other design professionals using the 2009 & earlier Building Codes
- Academicians and researchers
- CFS framing manufacturers
- Code enforcement staff
- Forensic engineers
- Software developers
- Evaluation Services

Sign up today at www.cfsei.org. See next page for additional details.

Thursday, June 9, 2011 CFSEI Webinar: Fire Resistive Noise Control Solutions for Cold-Formed Steel



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This webinar includes:

- Basic principals of acoustics
- Requirements of fire rated assemblies
- Design examples

Webinar Materials

The day before the webinar, registered participants will receive a link to download the following:

- Presenter's notes
- Published paper on effect of steel stud thickness and spacing on acoustical performance of wall assemblies
- CFSEI Technical Notes:
 - Acoustic Insulation
 - Fire-Rated Assemblies
 - Rated assemblies for Mid-Rise Construction
- SFA Fire and Acoustic Directory for North America.

About the Presenter:

Elzo F. Gernhart is the Vice President at PAC International, the global leader in cost effective, high performance noise control solutions. PAC International has nearly one hundred fifty Underwriters Laboratories (UL) Fire Resistive Design Assemblies in which the Resilient Sound Isolation Clip (RSIC) family of products are classified, including floor-ceiling and wall assemblies. In nearly every UL Classified Fire Resistive Design Assembly, the design and construction was engineered and managed by Elzo. None of these tested assemblies has failed to meet the fire testing objective in the UL Fire Research Laboratory. The acoustical testing on these assemblies has provided Elzo the opportunity to become one of the more experienced individuals in the field of Fire and Acoustical testing of UL Fire Resistive Design Assemblies; as well as non-UL systems and assemblies. Mr. Gernhart has expertise in methods, systems and assemblies utilized to control noise in the USA and many countries around the world.



Steel Framing Alliance™

SFA FBPE Provider #0005013 :

Why should you attend?

- More structures are using CFS framing in structural and load-bearing applications.
- Code requirements are becoming more stringent in many jurisdictions on both fire resistance and sound attenuation.
- Learn how changes in your floor or wall system can compromise your sound rating, and what to do to fix it.

Sign up today at www.cfsei.org