

Thermal design of Cold-Formed Steel Structures SFIA108

Description:

Energy codes and standards have changed dramatically over the past few years, adding new and unique challenges for almost every type of building and all climate zones. Cold-formed steel has benefitted from the development of new technologies and tools that enable compliance. This program helps designers and builders now move from simple thermal analysis to an understanding of how use alternative compliance methods to get the best performance without adding excessive cost.

Learning Units: 1

Credit Designations: LU|HSW

Course Format: Instructor-led distance ed.

Learning Objective

1: Learn about the two main approaches that codes use for compliance – the Performance and Prescriptive Options, including the advantages of disadvantages of both.

Learning Objective

2: Communicate their understanding of R-Values and U-Factors, the two thermal property calculations a builder or designer uses to evaluate whether a building meets energy code requirements.

Learning Objective

3: Envision the Simulated Performance Approach, an option in most energy codes for evaluating an entire building's energy use. This evaluation method offers flexibility to CFS assemblies for meeting and exceeding codes in a cost-effective manner.

Learning Objective

4: Learn about compliance software and tools that are available to aid the designer.

No sessions available at this time