Basics of Structural Steel Design
Cherry Hill, NJ - Wednesday, February 12, 2020

Examine design theory and compare ASD and LRFD methods of steel design
Learn about flexural, tension, and compression member design
Explore combined forces and combined loads

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at $269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Learning Objectives

You’ll be able to:

Distinguish between and allowable stress design (ASD) and load and resistance factor design (LRFD) for the design of steel buildings.
Identify appropriate applications for structural steel construction, including commercial and industrial buildings, parking structures and bridges.
Describe forces on structural steel members, including flexural forces, tension forces and compression forces.
Discuss strategies for designing connections between structural members, including bolted and welded connections.

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Here's what past attendees had to say about the program and presenter Robert P. Schaffer:

"Excellent presenter; knowledgeable and explains concepts well." — Structural Engineer

"Well versed in subject matter related very well to engineering and construction aspect." — Engineer

Robert P. Schaffer, P.E.
Bole Consulting Engineers Inc., King of Prussia, PA
Mr. Schaffer has 17 years of experience in structural analysis and design throughout the Mid-Atlantic region and is a licensed professional engineer in Pennsylvania and New Jersey. He is a graduate of Penn State University Architectural Engineering program with an emphasis in Structural Engineering. Mr. Schaffer has project experience in commercial, higher education, pharmaceutical, hospital/life care and multi-family residential markets. In 2012, he was selected by Consulting Specifying Engineer Magazine as a Top 40 Under 40 for his achievements in structural engineering.

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Continuing Education Credit Information
This seminar is open to the public and offers 7.0 continuing education hours to architects and 7.0 CEUs to professional engineers in all states.

This seminar is approved by the American Institute of Architects Continuing Education System for 7.0 LSJ (HSW Sponsor No. J883). Courses approved by the AIA qualify for New Jersey architects. Visit www.halfmooneminars.org for complete AIA/CEES information under this course listing. Only full attendance is reportable to the AIA/CEES.

Halfmoon Education is an approved continuing education sponsor for New Jersey engineers (Approval No. 24GP00000700). This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity.

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Webinar Series
Geothermal Heating and Cooling
Thurs., Jan. 16, 2020, 11:00 AM - 12:30 PM CST
Thurs., Jan. 30, 2020, 11:00 AM - 12:30 PM CST

Introduction to the World of BIM and the Revit Basics
BIM and Revit Overview
Wed., Jan. 29, 2020, 11:00 AM - 12:30 PM CST
Revit Model Building and Elements
Wed., Jan. 29, 2020, 1:00 - 3:00 PM CST
Creating Sheets in Revit
Thurs., Jan. 30, 2020, 11:00 AM - 12:30 PM CST
Revit Drafting and 3D Model Management
Thurs., Jan. 30, 2020, 1:00 - 3:00 PM CST

Markets/Uses for Deconstructed Materials
Wed., Jan. 15, 2020, 11:00 AM - 1:00 PM CST
Purposes and Benefits of Demolition and Deconstruction
Wed., Jan. 15, 2020, 1:00 - 3:00 PM CST

Understanding Earth Loop Systems
Thurs., Jan. 16, 2020, 11:00 AM - 12:30 PM CST

Events Approval No. 24GP00000700

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