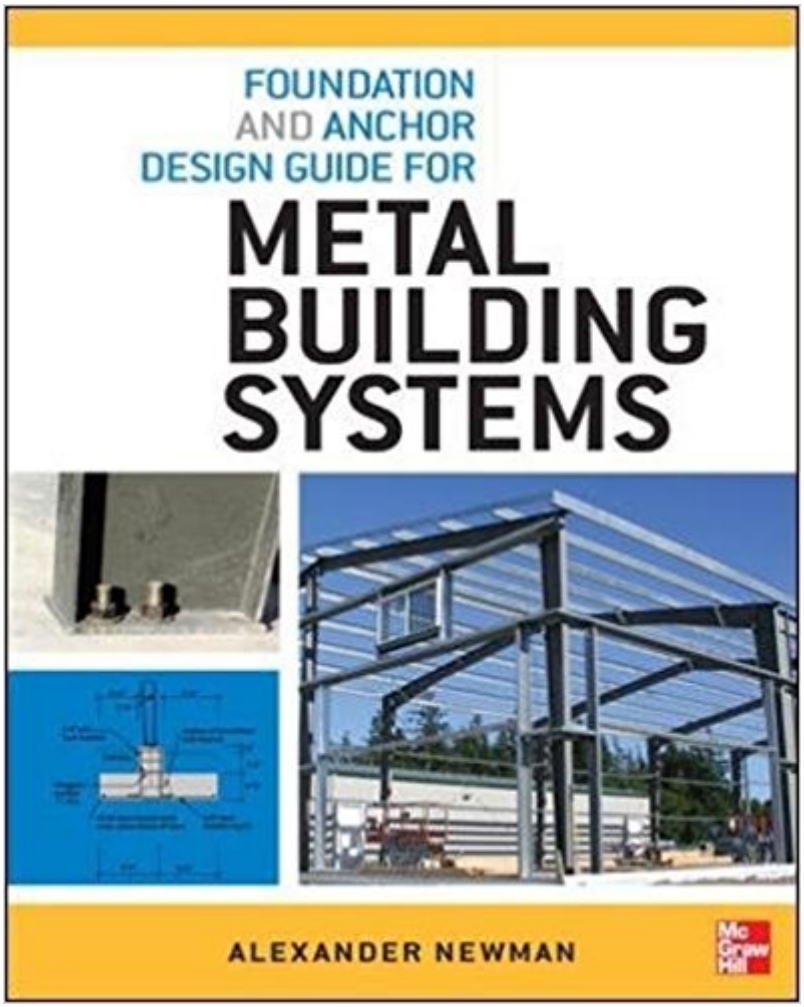
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Foundation And Anchor Design Guide For Metal Building Systems



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Synopsis

MEET THE COMPLEX CHALLENGES OF METAL BUILDING SYSTEMS FOUNDATION DESIGN Expand your professional design skills and engineer safe, reliable foundations and anchors for metal building systems. Written by a practicing structural engineer, Foundation and Anchor Design Guide for Metal Building Systems thoroughly covers the entire process--from initial soil investigation through final design and construction. The design of different types of foundations is explained and illustrated with step-by-step examples. The nuts-and-bolts discussion covers the best design and construction practices. This detailed reference book explains how the design of metal building foundations differs from the design of conventional foundations and how to comply with applicable building codes while avoiding common pitfalls. COVERAGE INCLUDES: Metal building and foundation design fundamentals Soil types, properties, and investigation Unique aspects of foundation design for metal building systems Design of isolated column footings Foundation walls and wall footings Tie rods, hairpins, and slab ties Moment-resisting foundations Slab with haunch, trench footings, and mats Deep foundations Anchors in metal building systems Concrete embedments in metal building systems

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Customer Reviews

Alexander Newman, P.E., F.ASCE is a managing engineer in the Natick, Massachusetts, office of Exponent Failure Analysis Associates, where he is responsible for building collapse and failure

investigations around the country. He has more than 30 years of professional experience and has been involved with design and renovation of numerous construction projects around the country. Mr. Newman is one of the country's foremost experts on metal building systems. He is the author of Structural Renovation of Buildings: Methods, Details, and Design Examples, and Metal Building Systems: Design and Specifications, now in its second edition and translated into Chinese.

I took a foundation design course taught by Alexander Newman in 2008. At the time, his Metal Building Systems book was a bit out of date. He had a course workbook that contained newer information, but the material was still in draft and some of it handwritten. I just bought this new edition of his book, and find it to be superb. The examples he had in the 2008 workshop are now well documented and easy to follow.You can also apply his design principles to other types of building structures.

Found this to be a very well written / easily understandable reference. Some of the calculations took some time to sort through because I hadn't seen the equations for a while, but the issue was my lack of familiarity with the subject matter, not the presentation of the information. The only thing that would have made it easier for me would have been if the sample problems would have been in MathCAD so that you could see the unit conversions as they happened vice backing into them using the text/numbers provided. As you see, I still rate it a 5-star reference and will keep it handy on my bookshelf of reference materials.

Excellent Design guide. Although an older Code edition, nevertheless helpful as a Design Guide.

Best book out there for MBS, all you ever wanted to know about foundations for them

Great reference book for anyone that is unfamiliar with the design of these structures (like myself). Very straightforward, but complete and detailed.

Very Good

Great product!

GREAT PRODUCT

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