



Foundation and Anchor Design Guide for Metal Building Systems (P/L Custom Scoring Survey)

By Alexander Newman

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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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Foundation and Anchor Design Guide for Metal Building Systems (P/L Custom Scoring Survey) By Alexander Newman Bibliography

- Sales Rank: #399456 in Books
- Brand: Brand: McGraw-Hill Professional
- Published on: 2012-10-09
- Released on: 2012-10-09
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x .90" w x 7.50" l, 1.20 pounds
- Binding: Paperback

- 320 pages

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Editorial Review

About the Author

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.

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