

Metal Building Systems, Third Edition: Design and Specifications

Alexander Newman

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The most complete, up-to-date metal building systems guide

Fully revised for the latest building codes and industry trends, *Metal Building Systems*, Third Edition, explains how to select, specify, and design preengineered buildings with confidence. In this book, a practicing structural engineer goes beyond manufacturer-supplied specifications to provide impartial and objective information that can save you money and time.

A new chapter on anchor bolts and embedments, many new illustrations, plus new and updated design examples, are included in this practical reference. End-of-chapter review questions reinforce the material presented. This is an essential resource for architects, engineers, construction specifiers, design professionals, facility managers, building officials, and contractors working with metal building systems.

COMPREHENSIVE COVERAGE INCLUDES:

- Structural loads and design methods
- Structural system selection criteria
- Primary framing
- Secondary framing: girts and purlins
- Metal roofing
- Wall materials
- Insulation
- The process of buying a metal building
- Common problems and failures
- Lateral drift and vertical deflections
- Foundation design
- Anchor bolts and embedments
- Current design trends
- Reroofing and renovations
- Specifying crane buildings
- Avoiding construction problems



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