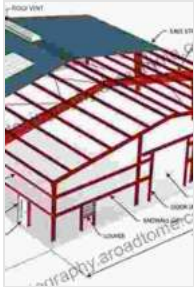


Design of Plated Structures: A Comprehensive Guide for Architects and Engineers



Design of Plated Structures: Eurocode 3: Design of Steel Structures, Part 1-5: Design of Plated Structures

★★★★☆ 4.4 out of 5

Language : English
File size : 7710 KB
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Enhanced typesetting : Enabled
Print length : 357 pages
Lending : Enabled
Screen Reader : Supported

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Plated structures are a type of structural system that is made up of thin, flat plates that are connected together. These structures are often used in buildings, bridges, and other types of structures where strength and lightness are important. The design of plated structures requires a deep understanding of the behavior of thin plates and the tools needed to analyze and design them effectively.

This book is a comprehensive guide to the design of plated structures. It provides a thorough understanding of the behavior of plated structures and the tools needed to design them effectively. The book is written by a team of experts in the field and is an essential resource for architects, engineers, and students involved in the design of these structures.

Chapter 1: to Plated Structures

This chapter provides an to plated structures, including their history, types, and applications. The chapter also discusses the basic principles of the behavior of thin plates.

Chapter 2: Analysis of Plated Structures

This chapter discusses the analysis of plated structures, including the methods of analysis, the assumptions that are made, and the limitations of the methods. The chapter also discusses the use of finite element analysis for the analysis of plated structures.

Chapter 3: Design of Plated Structures

This chapter discusses the design of plated structures, including the design criteria, the design process, and the design details. The chapter also discusses the use of computer-aided design for the design of plated structures.

Chapter 4: Construction of Plated Structures

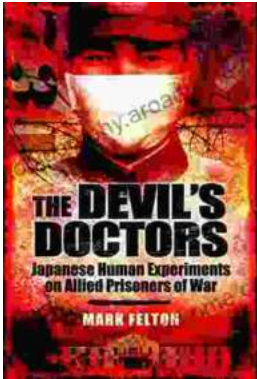
This chapter discusses the construction of plated structures, including the materials that are used, the fabrication methods, and the erection techniques. The chapter also discusses the quality control and inspection procedures that are used during the construction of plated structures.

Chapter 5: Case Studies

This chapter presents a number of case studies of plated structures, including buildings, bridges, and other types of structures. The case studies discuss the design, analysis, construction, and performance of these structures.

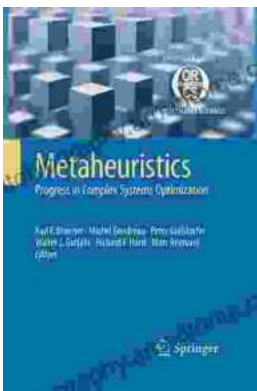
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