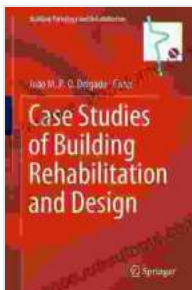


Unveiling the Secrets of Building Rehabilitation and Design: Explore Case Studies of Building Pathology and Restoration

Buildings, like humans, undergo wear and tear over time. As a result, they require periodic rehabilitation and design interventions to maintain their structural integrity, functionality, and aesthetic appeal. However, these interventions require a deep understanding of the underlying building pathology and the latest design techniques. *Case Studies of Building Rehabilitation and Design: Building Pathology and Restoration* offers a comprehensive exploration of these essential aspects.

Understanding Building Pathology

Building pathology refers to the study of the deterioration of buildings and the causes behind it. Understanding building pathology is crucial for effective rehabilitation and design interventions. This book provides detailed case studies that illustrate the different types of building pathologies, such as:



Case Studies of Building Rehabilitation and Design (Building Pathology and Rehabilitation Book 19)

★★★★★ 5 out of 5

Language	: English
File size	: 38582 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 261 pages



- Moisture penetration and its consequences
- Structural failures due to material degradation
- Functional obsolescence and outdated building systems
- Defects in design and construction
- Environmental factors and their impact on building materials

Innovative Design Approaches

Beyond understanding building pathology, this book presents innovative design approaches for building rehabilitation and design. These approaches emphasize:

- Sustainable practices and energy efficiency
- Adaptive reuse and historic preservation
- Resilience to extreme weather events
- Smart building technologies and automation
- User-centric design and accessibility

Real-World Case Studies

The strength of this book lies in its extensive collection of real-world case studies. Each case study provides a detailed account of a specific building rehabilitation or design project, including:

- Description of the building's history and condition

- Analysis of the building pathology and underlying causes
- Presentation of the design solutions and interventions
- Evaluation of the project's outcomes and lessons learned

Key Features of the Book

Case Studies of Building Rehabilitation and Design: Building Pathology and Restoration features:

- Over 50 in-depth case studies
- Contributions from renowned experts in the field
- High-quality illustrations, diagrams, and photographs
- Comprehensive references and bibliography
- Easy-to-follow organization and presentation

Target Audience

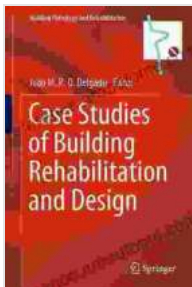
This book is an essential resource for:

- Architects and building designers
- Civil and structural engineers
- Building contractors and project managers
- Building pathologists and inspectors
- Researchers and students in architecture and engineering
- Property owners and facility managers
- Policymakers and regulators

Case Studies of Building Rehabilitation and Design: Building Pathology and Restoration is an indispensable guide for anyone involved in the field of building rehabilitation and design. Its comprehensive coverage of building pathology, innovative design approaches, and real-world case studies make it a valuable resource for understanding the complexities of building restoration and creating sustainable, resilient, and aesthetically pleasing structures.

Call to Action

Free Download your copy of *Case Studies of Building Rehabilitation and Design: Building Pathology and Restoration* today and unlock the secrets to successful building rehabilitation and design interventions. Enhance your knowledge, expand your skills, and contribute to the preservation and improvement of our built environment.



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