

Mechanical and Electrical Equipment for Buildings

By Walter T. Grondzik, Alison G. Kwok, Benjamin Stein, John S. Reynolds

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For more than half a century, this book has been a fixture in architecture and construction firms the world over. Twice awarded the AIA's Citation for Excellence in International Architecture Book Publishing, *Mechanical and Electrical Equipment for Buildings* is recognized for its comprehensiveness, clarity of presentation, and timely coverage of new design trends and technologies. Addressing mechanical and electrical systems for buildings of all sizes, it provides design guidelines and detailed design procedures for each topic covered. Thoroughly updated to cover the latest technologies, new and emerging design trends, and relevant codes, this latest edition features more than 2,200 illustrations--200 new to this edition--and a companion Website with additional resources.

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Editorial Review

From the Back Cover
The foremost guide to the design of environmental control systems
Updated and expanded

For more than seven decades, *Mechanical and Electrical Equipment for Buildings* has been the preeminent teaching and practice reference for building environmental control systems. Now this classic text has been updated and expanded, and continues to help prepare generations of students for their careers in architecture, architectural engineering, and construction management, and to supply professionals with in-depth information to assist them with their decision making in practice.

With over 2,200 drawings and photographs—more than 200 of them new to this edition—the *Eleventh Edition* covers basic theory, preliminary building design guidelines, and detailed design procedures for buildings of all sizes, and also provides information on the latest technologies, emerging design trends, and updated codes.

New and notable:

- Increased attention placed on mitigating environmental impacts, in both off-site and on-site resources
- Case studies showing successful integration of design strategies
- Discussions of "why" and "how to," which help the reader better understand concepts and applications
- Discussions of computer-based design simulations, incorporating an appreciation of hand calculation skills

About the Author
Walter T. Grondzik, PE, LEED AP, is Professor of Architecture at Ball State University, Muncie, Indiana. Grondzik is a Fellow of ASHRAE, a Fellow of the American Solar Energy Society, and a past president of the Society of Building Science Educators and the Architectural Research Centers Consortium. He holds an MS in mechanical engineering (building environmental systems) and a bachelor of architectural engineering.

Alison G. Kwok, PhD, AIA, LEED AP, is Professor of Architecture at the University of Oregon, Eugene, teaches design studios, seminars in building performance, as well as courses in environmental technology. Kwok has served as a board member for the Arch-itectural Research Centers Consortium and is a past president of the Society of Building Science Educators, a member of several ASHRAE committees, and a member of the USGBC's Formal Education Committee.

Benjamin Stein is a consulting engineer with more than fifty years of experience in all phases of environmental control system design. He currently resides in Jerusalem, Israel.

John S. Reynolds, AIA, is Professor Emeri-tus of Architecture at the University of Oregon, Eugene, and is a registered architect in private practice.

Users Review

From reader reviews:

Cathy Thomas:

The feeling that you get from Mechanical and Electrical Equipment for Buildings will be the more deep you searching the information that hide inside words the more you get enthusiastic about reading it. It does not mean that this book is hard to understand but Mechanical and Electrical Equipment for Buildings giving you enjoyment feeling of reading. The writer conveys their point in certain way that can be understood simply by anyone who read it because the author of this e-book is well-known enough. This particular book also makes your personal vocabulary increase well. It is therefore easy to understand then can go with you, both in printed or e-book style are available. We advise you for having that Mechanical and Electrical Equipment for Buildings instantly.

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