



## Mechanical and Electrical Equipment for Buildings

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

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**Mechanical and Electrical Equipment for Buildings** By **Walter T. Grondzik, Alison G. Kwok, Benjamin Stein, John S. Reynolds** **Bibliography**

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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 Architectural 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 Emeritus of Architecture at the University of Oregon, Eugene, and is a registered architect in private practice.

## **Users Review**

**From reader reviews:**

**Christine Frazier:**

Do you have favorite book? For those who have, what is your favorite's book? Guide is very important thing for us to understand everything in the world. Each reserve has different aim or maybe goal; it means that e-book has different type. Some people sense enjoy to spend their time and energy to read a book. They are really reading whatever they get because their hobby will be reading a book. What about the person who don't like examining a book? Sometime, particular person feel need book once they found difficult problem or even exercise. Well, probably you will want this Mechanical and Electrical Equipment for Buildings.

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