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# The Green Studio Handbook



## **Synopsis**

Learn how to integrate green strategies into your building design. This practical handbook provides an essential introduction to green design strategies--helping you to understand how to save energy, water, and material resources. It provides the information required to make judgments about which strategy to use and includes tools to enable you to incorporate the chosen strategy during the early stages of design. Each of the forty-two selected environmental strategies includes a description of principle and concept, step-by-step procedures for integrating the strategy, annotated design tables and charts, key issues to be aware of when implementing the strategy, and references to further resources. Over 500 sketches and color photos illustrate concepts and applications. In this second edition, 10 new case studies are included to show successful implementation of green strategies and assessments of building performance. Site analysis and glazing strategies have been added and new tables and updated drawings simplify the application of concepts, preliminary system sizing, and integration of strategies. Using real building projects as a guide, designers will be able to make informed choices about the most competitive and effective way to design a green building. The Green Studio Handbook is a reference guide and source of inspiration for students in design studios and architects in professional practice. From a review of the first edition: "An excellent starting point for aspiring students. It is also a useful tool for the experienced architect looking to communicate key ideas and principles concisely." Alison G. Kwok, Ph.D., AIA, LEED AP, ASES Fellow, is a licensed architect and a professor of architecture at the University of Oregon. She has taught in architecture programs in California, Hawaii, Hong Kong, Japan, and New York. Walter T. Grondzik, PE, LEED AP, ASES, and ASHRAE Fellow, is an architectural engineer and a professor of architecture at Ball State University. He has taught in architecture and architectural engineering programs in Florida, Oklahoma, Oregon, and Saudi Arabia. Provides information required to implement green design ideas with confidence and accuracy. Practical information provided in an easy-to-use format. Full color images throughout.

## **Book Information**

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## Customer Reviews

Featured Excerpts from The Green Studio Handbook Read a case study on the green renovation of the main branch of the Cambridge Public Library Check out "The Green," the first chapter of The Green Studio Handbook

• "An excellent resource for both educators and practitioners" -Karol Kaiser, Director of Education US Green Building Council

• "An extremely valuable tool for making decisions early in a project, ones that will help dictate the form of a building, help determine what systems will need to be in place and which consultants will need to be brought on board, and help set a budget or see what can fit within a predetermined budget. The book is aimed at students as well as professionals, and it is certainly appropriate for both, be it at the introductory level and as a solid reference for seasoned green designers." -John Hill, A Weekly Dose of Architecture

• "[O]ffers a useful introduction to green design...the content stays fairly schematic to help guide and introduce green strategies...purposely avoids creating a green building checklist and getting bogged down in technical details...cover[s] a wide variety of topics and show[s] how they are interrelated systems. Each strategy is accompanied by a wonderful set of sketches and images that aid in the reader's understanding of the basic concepts." -Archdaily "With more and more clients and architecture schools demanding "green" design, both student and professional architects need to get up to speed quickly with the vast range of techniques in this fast-moving area." This extensive and user-friendly handbook presents practical guidelines for applying environmental strategies during the schematic design of green buildings." -Eco Building Magazine, March 2011

A great textbook for those going into the architecture and design field. It's very useful and I highly recommend it.

I first bought this book while doing my Master of Architecture, it proved to be a valuable resource while designing, going over ways to integrate sustainable concepts early into the building. I love that it has quick calculations to use for a variety of things - rainwater collection, living machine sizing, PV

sizing, etc. Now that I work at an architecture firm, it is proving just as useful for quick calculations to relate green building concepts to my co-workers and clients.

Fantastic book All the topics for green design, well written, a must for all architects and building designers, Attractive price, worth while indeed

Very technical and complete book. It embraces almost every subject and aspect regarding sustainability applied to architectural interventions. I definitively recommended it without any doubt.

Best book ever purchased.

I love this book. It is so helpful and useful as a student. I will constantly use it when writing on sustainable design.

Great!

This is just a great book. I'm faculty and teach this info - this is easy to understand and well presented.

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