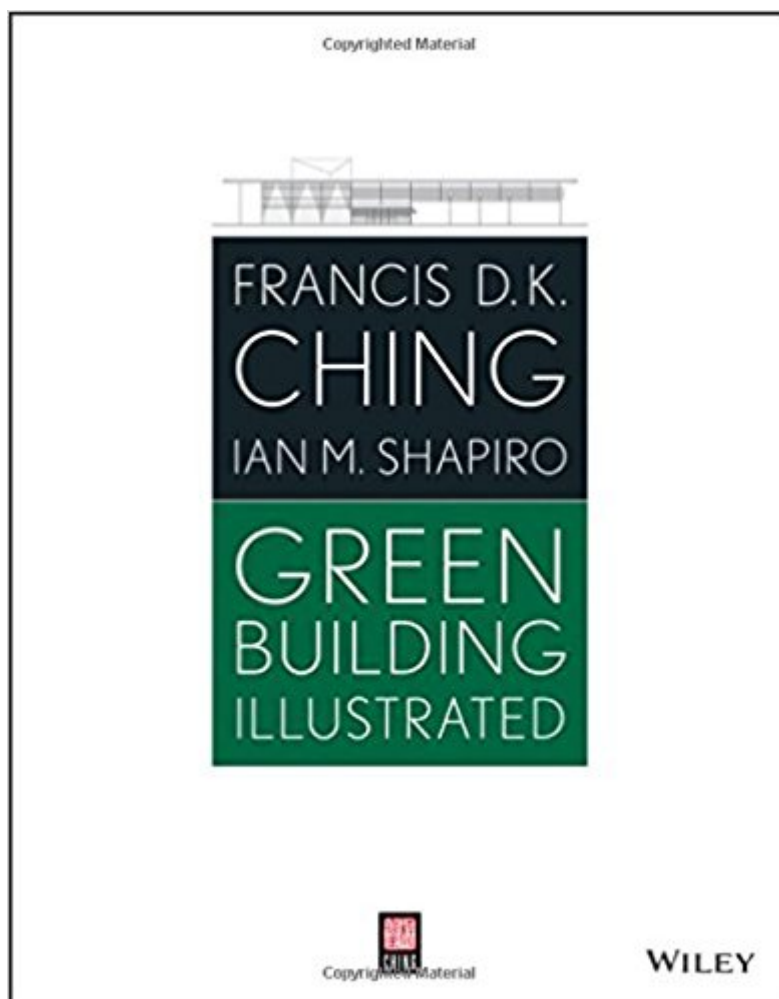


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# Green Building Illustrated



## Synopsis

“Green Building Illustrated is a must-read for students and professionals in the building industry. The combination of incredibly expressive illustrations and accessible technical writing make concepts of green building on paper as intuitive as they would be if you toured a space with experts in sustainable building.”

•Rick Fedrizzi, President, CEO, and Founding Chair of the U.S. Green Building Council

“The authors of Green Building Illustrated deliver clear and intelligent text, augmented by straightforward but compelling illustrations describing green building basics. This comprehensive book covers everything from the definition of green building, to details of high performance design, to sensible applications of renewable energy. This is a book with appeal for all architects and designers, because it addresses general principles such as holistic and integrated design, along with practical realities like affordability and energy codes. Green Building Illustrated describes a pathway for reaching Architecture 2030’s carbon emission reduction targets for the built environment.”

•Ed Mazria, founder of Architecture 2030

“a neophyte will have a very good overview of all the factors involved in green building. I see some excellent pedagogy at work!”

•Jim Gunshinan, Editor, Home Energy Magazine

Francis D.K. Ching brings his signature graphic style to the topic of sustainable design In the tradition of the classic Building Construction Illustrated, Francis D.K. Ching and Ian M. Shapiro offer a graphical presentation to the theory, practices, and complexities of sustainable design using an approach that proceeds methodically. From the outside to the inside of a building, they cover all aspects of sustainability, providing a framework and detailed strategies to design buildings that are substantively green. The book begins with an explanation of why we need to build green, the theories behind it and current rating systems before moving on to a comprehensive discussion of vital topics. These topics include site selection, passive design using building shape, water conservation, ventilation and air quality, heating and cooling, minimum-impact materials, and much more. Explains the fundamental issues of sustainable design and construction in a beautifully illustrated format Illustrated by legendary author, architect, and draftsman Francis D.K. Ching, with text by recognized engineer and researcher Ian M. Shapiro Ideal for architects, engineers, and builders, as well as students in these fields Sure to be the standard reference on the subject for students, professionals, and anyone interested in sustainable design and construction of buildings, Green Building Illustrated is an informative, practical, and graphically beautiful resource.

## Book Information

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## Customer Reviews

**HOW TO TURN THE PROMISE OF SUSTAINABILITY INTO REALITY** In the tradition of the bestselling classic *Building Construction Illustrated*, this new book from Francis D.K. Ching and Ian M. Shapiro explains the fundamental issues of sustainable design and construction in a beautifully illustrated format. Approaching design from the outside to the inside of a building, the book covers broad aspects of sustainability, providing a framework and detailed strategies for designing buildings that are substantively green. It explains why we need to build green, the theories behind it, and new directions in the industry. *Green Building Illustrated* includes comprehensive discussion of vital topics such as site selection, passive design using building shape, water conservation, ventilation and indoor air quality, heating and cooling, and minimum-impact materials. Throughout, Ching's signature line drawings clearly and helpfully illustrate each topic. Grounded in the fundamentals of building science and integrated design, the book covers a broad set of emerging but proven tools with which to design green buildings. Comprehensive, highly practical, and beautifully presented, *Green Building Illustrated* is a must-have resource that equips students and practitioners with the latest developments and strategies in this growing and vital field.

**FRANCIS D.K. CHING**, an architect and Professor Emeritus at the University of Washington, recently retired after more than 35 years of teaching. He is the bestselling author of *Building Construction Illustrated*, among other books on architecture and design, all published by Wiley. His works have been translated into more than 16 languages and are regarded as classics for their

renowned graphic presentations. IAN M. SHAPIRO is the founder and co-owner of Taitem Engineering in Ithaca, New York, an award-winning consulting firm he founded in 1989. He has been a visiting lecturer at Cornell University, Tompkins-Cortland Community College, and Syracuse University. He has worked on several LEED building design projects, has led a variety of energy conservation research projects, and is a frequent contributor to ASHRAE Journal and Home Energy magazine.

Disappointing after Ching's other really excellent book.

Frank Ching is one of my best authors and this book shows eloquently his splendid style, skills and knowledge page by page. Excellent.

The item arrived on time and as expected

This book represents a stunning and impressive effort in explaining green design concepts and specific methods in ways that are visually pleasing, and instantly accessible to both designers and non-designers alike. The clarity of the explanations are impeccable, and the illustrations are spot-on. The chapters logically progress from design principles, to context, siting, shape and then individual measures, materials, technologies and practices, so it could be read fully-through, and/or used as a reference. I'd highly recommend for anyone in the building industry.

D.K. Ching is reputed for doing wonderful drawings that integrate perfectly with text. Not so in this book. All the drawings, while accurate, are not hand sketches but generated by CAD which is not mentioned anywhere in the book's description. To me that is misleading the customer.

good

great book

Can never go wrong with anything Francis Ching puts out. Always well researched & the most informative illustrations.

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