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Sun, Wind & Light: Architectural Design Strategies, 2nd Edition



Synopsis

Architecture/Environment How to design buildings that heat with the sun, cool with the wind, light with the sky, and move into the future using on-site renewable resources Developed for rapid use during schematic design, this book clarifies relationships between form and energy and gives designers tools for designing sustainably. It also: * Applies the latest passive energy and lighting design research * Organizes information by architectural elements at three scales: * building groups, individual buildings, and building parts * Brings design strategies to life with examples and practical design tools * Features: * 109 analysis techniques and design strategies * More than 750 illustrations, sizing graphs, and tables * Both inch-pound and metric units

Book Information

Paperback: 400 pages

Publisher: Wiley; 2 edition (October 24, 2000)

Language: English

ISBN-10: 0471348775

ISBN-13: 978-0471348771

Product Dimensions: 8.5 x 1 x 11 inches

Shipping Weight: 2.4 pounds

Average Customer Review: 4.1 out of 5 stars 39 customer reviews

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Customer Reviews

Books about sustainability come in different shapes and sizes: some theoretical, some practical, some a pleasure to look at, some just factual. This one is an intriguing mix of all these...

--Architectural Review (UK) Adam Voelkera comprehensive document and despite much further reading I have yet to find a strategy elsewhere not mentioned in this book. -- UKCharged to select three books for people interested in teaching themselves ... architecture, ... I would choose Sun, Wind & Light to teach the processes architects should use. ...an inspirational book. --SBSE

NewsThis book is an obvious choice as a textbook on climate-responsive design, but it should also serve as a valuable reference for anyone designing buildings with climate in mind.

--Environmental Building NewsGreat book to study for sustainable architecture. Gives details on

how to design for particular climates and regions. Filled with helpful charts and graphs to decipher for seasons and times of the day according to each climate. --Alibris "No architect should neglect to follow the advice that it gives." (Center for Education in the Built Environment, August 2002)

A text for architectural design studio courses, geared to inspire design ideas and to help students understand the energy consequence of design decisions. Concentrates on the analysis of sun, wind, and light resources of a particular site and climate. Also offers design strategies organized by building groups, buildings and building parts, and provides strategies for supplementing passive systems. Includes over 200 beautifully rendered architectural illustrations. --This text refers to an out of print or unavailable edition of this title.

Still trying to adapt to the new interface of this book , the diagrams that denote the design strategies are very very small, .i cannot make a good evaluation at the moment as i am still trying to understand the book.How ever at first glance it seems to give a lot of insight on sustainable strategies . the book build feels very delicate but the steel ring allows for complete 180 deg page flipping.

This book goes super in depth about sustainability design. Super helpful read for an architecture student and it give a lot of possible design combinations.

This is one of the best books I've seen that address building architectural design considerations that affect heating, cooling, ventilation and lighting. It presents tidbits from real designs, focuses on maximizing the effects of the local climate on the building toward the objective of a comfortable and usable living/working space, and addresses supplemental systems as well. This information presumes a level of knowledge relating to some of these concepts that I don't currently have, making it a pretty hard read in many places. However, the book digs pretty deep into each area, providing enough information to get a good start on a building design. The fusion of engineering and creativity is my favorite feature of this book. It provides insight into creative building designs while also presenting the more quantitative factors necessary to size and evaluate a design for intended use.

This book has great drawings and information. However I was looking for more insight on energy conservative construction detailing.

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

very useful!

This is a great book about passive design. The diagrams were very well drawn.

If you are interested in passive and sustainable design, this book explains the principles very easily. It also takes it further by breaking down which principles to use in what climates. A new edition of this book is only released once about every ten years, so get your hands on it. My teacher is co-author of the living building challenge, and she was the one who interested me in this book. That is why I had to immediately buy the new edition that was released this February. Enjoy, it is no frills easy to understand book that is really geared towards passive design.

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