

1. Record Nr.	UNINA9910813230903321
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Titolo	Fundamentals of sustainable dwellings // Avi Friedman
Pubbl/distr/stampa	Washington, D.C., : Island Press, c2012
ISBN	1-61091-211-X
Edizione	[1st ed. 2012.]
Descrizione fisica	1 online resource (271 p.)
Disciplina	690/.8047
Soggetti	Ecological houses - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Acknowledgements -- Chapter 1. Principles of Sustainable Dwellings -- Chapter 2. Siting a Home -- Chapter 3. Sustainable Residential Design Concepts -- Chapter 4. Unit-Planning Principles -- Chapter 5. Constructing a Home -- Chapter 6. Building Materials -- Chapter 7. Energy-Efficient Windows -- Chapter 8. Heating and Cooling Systems -- Chapter 9. Healthy Indoor Environments -- Chapter 10. Water Efficiency -- Chapter 11. Green Roofs -- Chapter 12. Edible Landscaping and Xeriscaping -- Chapter 13. Waste Management and Disposal -- Bibliography -- Illustration Credits -- Case Study Projects Team -- Case Study Projects Photographers -- Index.
Sommario/riassunto	Despite a prolonged slump in the housing market, the demand for residential green building remains strong. More than ever, professionals need reliable information about how to construct or retrofit livable, sustainable, and economical homes. With Fundamentals of Sustainable Dwellings, Avi Friedman provides that resource. While other books on residential green building are often either superficial or overly technical, Friedman gets it just right, delivering an illustrated, accessible guide for architects, developers, home builders, codes officials, and students of architecture and green design. Friedman charts a new course for residential building—one in which social, cultural, economic, and environmental values are part of every design decision. The book begins with a concise overview of green building principles, covering topics such as sustainable resources and common certification methods. Each following chapter examines a critical aspect of green home construction, from siting to waste management options.

Friedman provides basics about energy-efficient windows and heating and cooling systems. And he offers innovative solutions like edible landscaping and green roofs. Friedman knows that in green building, ideas are only as good as their execution. So in each chapter valuable data is assembled and a contemporary project in which designers strove to achieve sustainability while adhering to real-world constraints is featured. The result is a practical guide for every professional in the burgeoning field of residential green building.

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