

How Buildings Learn Mybeatore

Buildings have often been studied whole in space, but never before have they been studied whole in time. How Buildings Learn is a masterful new synthesis that proposes that buildings adapt best when constantly refined and reshaped by their occupants, and that architects can mature from being artists of space to becoming artists of time. From the connected farmhouses of New England to I.M. Pei's Media Lab, from "satisficing" to "form follows funding,"

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from the evolution of bungalows to the invention of Santa Fe Style, from Low Road military surplus buildings to a High Road English classic like Chatsworth—this is a far-ranging survey of unexplored essential territory. More than any other human artifacts, buildings improve with time—if they're allowed to. How Buildings Learn shows how to work with time rather than against it.

Fifty of the world's most important buildings seen through specially commissioned isometric illustrations and

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detailed photographs and plans, providing the perfect introduction to architecture for students and anyone interested in buildings. Taking readers behind architecture's facades and finishes, this charmingly illustrated book explores how some of the most important buildings in the world were constructed. Specially commissioned isometric drawings present the essential structural elements of the world's masterpiece buildings that are not visible to the naked eye. These illustrations are displayed alongside

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plans, details, and photographs, all of which are clear and accessible, yet accurate and elegant enough to satisfy the most discerning eye. This fascinating book explores the thinking and expertise behind architects' designs and offers a means by which to better understand buildings already visited as well as those on the must-see list. Selections range from domestic structures such as Frank Lloyd Wright's Fallingwater and skyscrapers such as the Chrysler Building, to iconic classics such as the Louvre and

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Barcelona's famed Sagrada Familia Cathedral. The buildings have been chosen for their importance and interest, their role in the development of architectural thinking, and the structural secrets that intricate 3-D drawings can reveal.

How to Read Buildings is a practical primer to looking at architecture and all the elements that are included in buildings, from cornices and friezes to columns and porticos - all facets of buildings are included. Each chapter takes an architectural element and looks at its

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variety across various historical periods and geographical locations. Examples are shown through dozens of fine engravings with extended captions, creating a dip-in read and an effective I-Spy guide.

Additional sections look at the clues offered by history, geography and religion (with a timeline showing how and where architectural elements have been introduced), and at the significance of the ornaments.

The Whole Building Handbook is a compendium of all the issues and

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strategies that architects need to understand to design and construct sustainable buildings for a sustainable society. The authors move beyond the current definition of sustainability in architecture, which tends to focus on energy-efficiency, to include guidance for architecture that promotes social cohesion, personal health, renewable energy sources, water and waste recycling systems, permaculture, energy conservation - and crucially, buildings in relation to their place. The authors offer a holistic

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approach to sustainable architecture and authoritative technical advice, on: * How to design and construct healthy buildings, through choosing suitable materials, healthy service systems, and designing a healthy and comfortable indoor climate, including solutions for avoiding problems with moisture, radon and noise as well as how to facilitate cleaning and maintenance. * How to design and construct buildings that use resources efficiently, where heating and cooling needs and electricity use is minimized and water-

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saving technologies and garbage recycling technologies are used. * How to 'close' organic waste, sewage, heat and energy cycles. For example, how to design a sewage system that recycles nutrients. * Includes a section on adaptation of buildings to local conditions, looking at how a site must be studied with respect to nature, climate and community structure as well as human activities. The result is a comprehensive, thoroughly illustrated and carefully structured textbook and reference.

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Obsolescence

Sustainability, Preservation, and the
Value of Design

Daylight, Vision, and View

The Timeless Way of Building

The Natural Order of Architecture

How Buildings Work

An Architectural History

Architectural Topographies is a critical dictionary for architects and landscape architects in which the graphic lexicon can be read from a beginning, the ground, to a conclusion, the specific case

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studies. Meant as a tool to help you recognise, analyse, choose, and invent solutions, the book's key words refer to the physical and material relationship between construction and ground; to where and how the link is built; to the criteria, methods, and tools used to know and transform the ground; and to the possible approaches to the place and their implications on the way the earth is touched. Fifty case studies by forty-six of the greatest architects of the previous hundred years are represented throughout in sectional drawings which place the buildings along the same ground

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plane to illustrate how the key words might be combined and to show each architect's position on their built work in relation to all the others.

Includes projects by Alvar Aalto; Tadao Ando; Gunnar Asplund; Atelier Bow-Wow; João Batista Vilanova Artigas; Patrick Berger; Mario Botta; Marcel Breuer; Erik Bryggman; Gonçalo Byrne; David Chipperfield; Le Corbusier; Sverre Fehn; Aurelio Galfetti, Flora Ruchat, and Ivo Trumpy; Dick Van Gameren; Herzog and De Meuron; Steven Holl; Arne Jacobsen; Kengo Kuma; Anne Lacaton and Jean Philippe Vassal; Adalberto

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Libera; Frank Lloyd Wright; Paulo Mendes da Rocha; Ludwig Mies van der Rohe; Enric Miralles and Carme Pinos; Glenn Murcutt; Juan Navarro Baldeweg; Sheila O'Donnell and John Tuomey; Jan Olav Jensen and Børre Skodvin; John Pawson; Giuseppe Perugini, Mario Fiorentino, and Nello Aprile; Renzo Piano; Georges-Henry Pingusson; Rudolph Schindler; Roland Simounet; Alvaro Siza; Luigi Snozzi; Alejandro de la Sota; Eduardo Souto de Moura; Alison Smithson and Peter Smithson; Fernando Tavora; Jørn Utzon; Livio Vacchini; Francesco Venezia, Roberto Collovà, and Marcella

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Aprile; Amancho Williams; and Peter Zumthor. This volume in the Nearby History series helps the reader document the history of a home. The reader will learn to examine written records, oral testimonies, visual sources, and the house's surroundings. The author covers American housing patterns, the individual characteristics of houses in different regions, construction techniques and materials, household technology, and family life styles. Houses and Homes is Volume 2 in The Nearby History Series. Architecture and Ritual explores how the varied

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rituals of everyday life are framed and defined in space by the buildings which we inhabit. It penetrates beyond traditional assumptions about architectural style, aesthetics and utility to deal with something more implicit: how buildings shape and reflect our experience in ways of which we remain unconscious. Whether designed to house a grand ceremony or provide shelter for a daily meal, all buildings coordinate and consolidate social relations by giving orientation and focus to the spatial practices of those who use them. Peter Blundell Jones investigates these connections

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between the social and the spatial, providing critical insights into the capacity for architecture to structure human ritual, from the grand and formal to the mundane. This is achieved through deep readings of individual pieces of architecture, each with a detailed description of its particular social setting and use. The case studies are drawn from throughout architectural history and from around the globe, each enabling a distinct theoretical theme to emerge, and showing how social conventions vary with time and place, as well as what they have in common. Case studies

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range from the Nuremberg Rally to the Centre Pompidou, and from the Palace of Westminster to Dogon dwellings in Africa and a Modernist hospital. In considering how all architecture has to mesh with the habits, beliefs, rituals and expectations of the society that created it, the book presents deep implications for our understanding of architectural history and theory. It also highlights the importance for architects of understanding how buildings frame social space before they prescribe new architectural designs of their own. The book ends with a recent example of

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user participation, showing how contemporary user interest and commitment to a building can be as strong as ever.

This introductory volume to Alexander's other works, *A Pattern of Language* and *The Oregon Experiment*, explains concepts fundamental to his original approaches to the theory and application of architecture

Architecture Inside-Out

Thermal Delight in Architecture

Visual Delight in Architecture

The Strength of Architecture

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Better Buildings by Understanding Basic Building
Science

Architecture and the Mimetic Self

How Indoor Spaces Drive Performance and
Productivity

This important and comprehensive book represents a groundbreaking socio-architectural study of pre-1939 public library buildings. It includes a study of what is happening to historic libraries now and proposes that knowledge of their origins and early development can help build an understanding of how best to handle their future.

The founder of Architizer.com and practicing architect draws on his unique position at the crossroads of architecture and

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social media to highlight 100 important buildings that embody the future of architecture. We're asking more of architecture than ever before; the response will define our future. A pavilion made from paper. A building that eats smog. An inflatable concert hall. A research lab that can walk through snow. We're entering a new age in architecture—one where we expect our buildings to deliver far more than just shelter. We want buildings that inspire us while helping the environment; buildings that delight our senses while serving the needs of a community; buildings made possible both by new technology and repurposed materials. Like an architectural cabinet of wonders, this book collects the most innovative buildings of today and tomorrow. The buildings hail from all seven continents (to say nothing of other planets), offering a truly

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global perspective on what lies ahead. Each page captures the soaring confidence, the thoughtful intelligence, the space-age wonder, and at times the sheer whimsy of the world's most inspired buildings—and the questions they provoke: Can a building breathe? Can a skyscraper be built in a day? Can we 3D-print a house? Can we live on the moon? Filled with gorgeous imagery and witty insight, this book is an essential and delightful guide to the future being built around us—a future that matters more, and to more of us, than ever.

In Building Reuse: Sustainability, Preservation, and the Value of Design, Kathryn Rogers Merlino makes an impassioned case that truly sustainable design requires reusing and reimagining existing buildings. The construction and operation of buildings is responsible for 41 percent of all primary energy

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use and 48 percent of all carbon emissions. The impact of the demolition and removal of an older building can greatly diminish the advantages of adding green technologies to new construction. Reusing existing buildings can be challenging to accomplish, but changing the way we think about environmentally conscious architecture has the potential to significantly reduce carbon emissions. Additionally, Merlino calls for a more expansive view of historic preservation that goes beyond keeping only the most distinctive structures and requiring that they remain fundamentally unchanged to embracing the creative reuse of even unremarkable buildings. In support of these points, Building Reuse includes a compelling range of case studies from an eighteen-story office building to a private home all located in the Pacific

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Northwest, a region with a long history of sustainable design and urban growth policies that have made reuse projects feasible.

An Architectural Record Notable Book A fascinating, thought-provoking journey into our built environment Modern humans are an indoor species. We spend 90 percent of our time inside, shuttling between homes and offices, schools and stores, restaurants and gyms. And yet, in many ways, the indoor world remains unexplored territory. For all the time we spend inside buildings, we rarely stop to consider: How do these spaces affect our mental and physical well-being? Our thoughts, feelings, and behaviors? Our productivity, performance, and relationships? In this wide-ranging, character-driven book, science journalist Emily Anthes takes

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us on an adventure into the buildings in which we spend our days, exploring the profound, and sometimes unexpected, ways that they shape our lives. Drawing on cutting-edge research, she probes the pain-killing power of a well-placed window and examines how the right office layout can expand our social networks. She investigates how room temperature regulates our cognitive performance, how the microbes hiding in our homes influence our immune systems, and how cafeteria design affects what—and how much—we eat. Along the way, Anthes takes readers into an operating room designed to minimize medical errors, a school designed to boost students' physical fitness, and a prison designed to support inmates' psychological needs. And she previews the homes of the future, from the high-tech houses that could

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monitor our health to the 3D-printed structures that might allow us to live on the Moon. The Great Indoors provides a fresh perspective on our most familiar surroundings and a new understanding of the power of architecture and design. It's an argument for thoughtful interventions into the built environment and a story about how to build a better world—one room at a time.

Sustainable Design

The Surprising Science of How Buildings Shape Our Behavior, Health, and Happiness

Human Interactions with Architecture

II Cybernetic Frontiers

If I Built a House

Sustainable Buildings in Practice

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*How to Design Healthy, Efficient and Sustainable Buildings
Important Information for Anyone who Designs, Builds,
Owns, Works, or Lives in a Building.*

*Visual Delight in Architecture examines the many ways
that our lives are enriched by the presence of natural
daylight and window views within our buildings. It makes
a compelling case that daily exposure to the rhythms of
daylight is essential to our health and well-being, tied to
the very genetic foundations of our physiology and
cognitive function. It describes all the subtlety, beauty,
and pleasures of well-daylit spaces and attractive window
views, and explains how these are woven into the fabric of*

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both our everyday sensory experience and enduring cultural perspectives. All types of environmental designers, along with anyone interested in human health and well-being, will find new insights offered by Visual Delight in Architecture. The book is both accessible and provocative, full of personal stories and persuasive research, helping designers to gain a deeper understanding of the scientific basis of their designs, scientists to better grasp the real-world implications of their work, and everyone to more fully appreciate the role of windows in their lives.

NEW YORK TIMES BESTSELLER *The complete,*

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uncensored history of the award-winning The Daily Show with Jon Stewart, as told by its correspondents, writers, and host. For almost seventeen years, The Daily Show with Jon Stewart brilliantly redefined the borders between television comedy, political satire, and opinionated news coverage. It launched the careers of some of today's most significant comedians, highlighted the hypocrisies of the powerful, and garnered 23 Emmys. Now the show's behind-the-scenes gags, controversies, and camaraderie will be chronicled by the players themselves, from legendary host Jon Stewart to the star cast members and writers-including Samantha Bee, Stephen Colbert, John

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Oliver, and Steve Carell - plus some of The Daily Show's most prominent guests and adversaries: John and Cindy McCain, Glenn Beck, Tucker Carlson, and many more. This oral history takes the reader behind the curtain for all the show's highlights, from its origins as Comedy Central's underdog late-night program to Trevor Noah's succession, rising from a scrappy jester in the 24-hour political news cycle to become part of the beating heart of politics-a trusted source for not only comedy but also commentary, with a reputation for calling bullshit and an ability to effect real change in the world. Through years of incisive election coverage, passionate debates with

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President Obama and Hillary Clinton, feuds with Bill O'Reilly and Fox, and provocative takes on Wall Street and racism, The Daily Show has been a cultural touchstone. Now, for the first time, the people behind the show's seminal moments come together to share their memories of the last-minute rewrites, improvisations, pranks, romances, blow-ups, and moments of Zen both on and off the set of one of America's most groundbreaking shows.

Traces the development of architectural structure, ranging from the nomad's simple tent to the Sears Tower
A Pattern Language

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Time and Responsibility

Understanding How Buildings Work

Buildings Don't Lie

Designing Buildings for Change

Building Reuse

The Listening Book

Loose-Fit Architecture: Designing Buildings for Change

September/October 2017 Profile 249 Volume 87 No 5 ISBN

978 1119 152644 Guest-Edited by Alex Lifschutz The idea

that a building is 'finished' or 'complete' on the day it opens its

doors is hardwired into existing thinking about design,

planning and construction. But this ignores the

unprecedented rate of social and technological change. A

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building only begins its life when the contractors leave. With resources at a premium and a greater need for a sustainable use of building materials, can we still afford to construct new housing or indeed any buildings that ignore the need for flexibility or the ability to evolve over time? Our design culture needs to move beyond the idealisation of a creative individual designer generating highly specific forms with fixed uses. The possibilities of adaptation and flexibility have often been overlooked, but they create hugely exciting 'loose-fit' architectures that emancipate users to create their own versatile and vibrant environments. Contributors include: Stewart Brand, Renee Chow, Ellen Dunham-Jones and June Williamson, John Habraken, Edwin Heathcote, Despina Katsakakis, Stephen Kendall, Ian Lambot, Giorgio Macchi,

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Alexi Marmot, Andrea Martin, Kazunobu Minami, Peter Murray, Brett Steele, and Simon Sturgis.

From the duo behind the massively successful and award-winning podcast Stuff You Should Know comes an unexpected look at things you thought you knew. Josh Clark and Chuck Bryant started the podcast Stuff You Should Know back in 2008 because they were curious—curious about the world around them, curious about what they might have missed in their formal educations, and curious to dig deeper on stuff they thought they understood. As it turns out, they aren't the only curious ones. They've since amassed a rabid fan base, making Stuff You Should Know one of the most popular podcasts in the world. Armed with their inquisitive natures and a passion for sharing, they uncover the weird,

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fascinating, delightful, or unexpected elements of a wide variety of topics. The pair have now taken their near-boundless "whys" and "hows" from your earbuds to the pages of a book for the first time—featuring a completely new array of subjects that they've long wondered about and wanted to explore. Each chapter is further embellished with snappy visual material to allow for rabbit-hole tangents and digressions—including charts, illustrations, sidebars, and footnotes. Follow along as the two dig into the underlying stories of everything from the origin of Murphy beds, to the history of facial hair, to the psychology of being lost. Have you ever wondered about the world around you, and wished to see the magic in everyday things? Come get curious with *Stuff You Should Know*. With Josh and Chuck as your guide,

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there's something interesting about everything (...except maybe jackhammers).

Illustrated with hundreds of illuminating line drawings, this classic guide reveals virtually every secret of a building's function: how it stands up, keeps its occupants safe and comfortable, gets built, grows old, and dies--and why some buildings do this so much better than others. Drawing on things he's learned from the many buildings he himself designed (and in some cases built with his own hands), Edward Allen explains complex phenomena such as the role of the sun in heating buildings and the range of structural devices that are used for support, from trusses and bearing walls to post-tensioned concrete beams and corbeled vaults. He stresses the importance of intelligent design in dealing

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with such problems as overheating and overcooling, excessive energy use, leaky roofs and windows, fire safety, and noisy interiors. He serves up some surprises: thermal insulation is generally a better investment than solar collectors; board fences are not effective noise barriers; there's one type of window that can be left open during a rainstorm. The new edition emphasizes "green" architecture and eco-conscious design and construction. It features a prologue on sustainable construction, and includes new information on topics such as the collapse of the World Trade Center, sick building syndrome, and EIFS failures and how they could have been prevented. Allen also highlights the array of amazing new building materials now available, such as self-cleaning glass, photovoltaics, transparent ceramics,

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cloud gel, and super-high-strength concrete and structural fibers. Edward Allen makes it easy for everyone--from armchair architects and sidewalk superintendents to students of architecture and construction--to understand the mysteries and complexities of even the largest building, from how it recycles waste and controls the movement of air, to how it is kept alive and growing.

The Listening Book is about rediscovering the power of listening as an instrument of self-discovery and personal transformation. By exploring our capacity for listening to sounds and for making music, we can awaken and release our full creative powers. Mathieu offers suggestions and encouragement on many aspects of music-making, and provides playful exercises to help readers appreciate the

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connection between sound, music, and everyday life.

A Crash Course in Architecture

A Dictionary of Arts, Sciences, Literature and General Information

An Incomplete Compendium of Mostly Interesting Things

The Daily Show (The Book)

Why Buildings Fall Down

How Buildings Speak to Us

An Architect's Guide to Moisture and Mold

Buildings Used takes the reader on an exploration into the impact of use on buildings and users. While most histories and theories of architecture focus on a building's conception, design, and realization, this book argues that its identity is formed after its

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completion through use; and that the cultural and psychological effects of its use on those inhabiting it are profound. Across eight investigative chapters, authors Nora Lefa and Pavlos Lefas propose that use should not be understood merely as function. Instead, this book argues that we also use buildings by creating, destroying or appropriating them, and discusses a series of philosophical, cultural and design issues related to use. Buildings Used would appeal to students and scholars in architectural theory, history and cultural studies.

Energy performance feedback is an essential tool in addressing the current climate crisis. However, this is not simply another theoretical text about energy

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performance in buildings. This book is for anyone who wants to better understand how energy is used in buildings, and how to drive down operational energy use - whether you're an architect, student, client, building services engineer, contractor, building operator or other stakeholder. Focusing on evidence from feedback on buildings in use, it explains what it takes to get them to perform as expected, as well as the reasons why they often fail. Energy, People, Buildings draws extensively on the findings of studies, UK government-funded building performance evaluations and on original research into seven case studies from across the UK and abroad that have achieved exemplary energy use through building

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performance feedback. Providing a clear roadmap to understanding aspects that impact building users' comfort and satisfaction, it also outlines the factors behind energy use and how to track it across the life of a project to ensure that your building performs as intended. Case studies include: the Everyman Theatre, Liverpool; Rocky Mountain Institute Innovation Center, Colorado; and Carrowbreck Meadow, Norwich. Featured architects: AHMM, AHR, Architype, Hamson Barron Smith, Haworth Tompkins, Henning Larsen Architects and ZGF Architects. Imaginative Jack describes the kind of house he would build--one with a racetrack, a flying room, and a gigantic slide.

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The definitive guide to understanding and managing the effects of water on buildings Water in Buildings: An Architect's Guide to Moisture and Mold is a detailed and highly useful reference to help architects and other design professionals create dry, healthy environments, without jeopardizing a project with poor liability management. Much more than a book of "quick fixes," this practical guide illuminates an essential understanding of the "whys" of moisture problems, including valuable information on how water behaves and how its performance can be anticipated and managed in building design. With a special emphasis on water's role in creating mold, an issue of growing concern and liability, Water in

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Buildings offers the most up-to-date information on rainwater management, below-grade water management, foundations, wall and roof construction, mechanical systems, moisture, and much more! Providing authoritative guidance to designers and builders, this definitive guide features:

- * Clear explanations of how water interacts with building materials and equipment***
- * An in-depth exploration of the paths of leaks***
- * Numerous case studies on such well-known structures as Mount Vernon, Independence Hall, and Wingspan (Frank Lloyd Wright)***
- * Numerous descriptive drawings and photographs***

Architectural Topographies

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Stuff You Should Know

Early Public Libraries in Britain from Past to Present

Why Buildings Stand Up

The Clock Of The Long Now

Houses and Homes

Exploring Their History

Using the designing and building of the Clock of the Long Now as a framework, this is a book about the practical use of long time perspective: how to get it, how to use it, how to keep it in and out of sight. Here are the central questions it inspires: How do we make

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long-term thinking automatic and common instead of difficult and rare? Discipline in thought allows freedom. One needs the space and reliability to predict continuity to have the confidence not to be afraid of revolutions Taking the time to think of the future is more essential now than ever, as culture accelerates beyond its ability to be measured Probable things are vastly outnumbered by countless near-impossible eventualities. Reality

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is statistically forced to be extraordinary; fiction is not allowed this freedom This is a potent book that combines the chronicling of fantastic technology with equally visionary philosophical inquiry.

A healthy building does more than conserve resources: it improves the health and productivity of the people inside. Joseph Allen and John Macomber look at everything from the air we breathe to the water we drink to how

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light, sound, and materials impact our performance and wellbeing and drive business profit.

An understanding of building physics is fundamental for the design and construction of safe, functional, energy efficient buildings. Without it, occupants' health and comfort is compromised, energy bills become unmanageable, or the building fabric itself can fail. But it's not just about providing a heating source or

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stopping the cold coming in; at the heart of building physics is a fine balancing act: how much ventilation will be required for the occupants and how can that be provided without compromising the thermal performance? How will the layout and fenestration affect light levels and cooling demand? How Buildings Work provides construction professionals with a clear understanding of the basic mechanisms of physics and how they affect the

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performance and operation of buildings. Heat, air, moisture, sound, light and radioactivity are explained in turn, yet all the while reminding the reader that none of these phenomena can be considered in isolation when designing a building. Whether you're a student trying to get your head round the basics, or a seasoned practitioner looking for a quick refresher course. Takes readers on a journey through the history of architectural and structural

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*disasters, from the Parthenon to the
Tower of Pisa to the Tacoma Narrows
Bridge*

Towns, Buildings, Construction

The Whole Building Handbook

Buildings Used

A Critical Guide.

Inventing the Future at MIT

The Encyclopaedia Britannica

Water in Buildings

Buildings shape our identity and sense of
self in profound ways that are not always

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evident to architects and town planners, or even to those who think they are intimately familiar with the buildings they inhabit. Architecture and the Mimetic Self provides a useful theoretical guide to our unconscious behaviour in relation to buildings, and explains both how and why we are drawn to specific elements and features of architectural design. It reveals how even the most uninspiring of buildings can be modified to meet our unconscious expectations and requirements of them—and, by the same token, it

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explores the repercussions for our wellbeing when buildings fail to do so. Criteria for effective architectural design have for a long time been grounded in utilitarian and aesthetic principles of function, efficiency, cost, and visual impact. Although these are important considerations, they often fail to meet the fundamental needs of those who inhabit and use buildings. Misconceptions are rife, not least because our responses to architecture are often difficult to measure, and are in large part

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unconscious. By bridging psychoanalytic thought and architectural theory, *Architecture and the Mimetic Self* frees the former from its preoccupations with interpersonal human relations to address the vital relationships that we establish with our nonhuman environments. In addition to providing a guide to the unconscious behaviours that are most relevant for evaluating architectural design, this book explains how our relationships with the built environment inform a more expansive and useful

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psychoanalytic theory of human relationship and identity. It will appeal to psychoanalysts and analytical psychologists, architects, and all who are interested in the overlaps of psychology, architecture, and the built environment. Our thermal environment is as rich in cultural associations as our visual, acoustic, olfactory, and tactile environments. This book explores the potential for using thermal qualities as an expressive element in building design. Until quite recently, building technology

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and design has favored high-energy-consuming mechanical methods of neutralizing the thermal environment. It has not responded to the various ways that people use, remember, and care about the thermal environment and how they associate their thermal sense with their other senses. The hearth fire, the sauna, the Roman and Japanese baths, and the Islamic garden are discussed as archetypes of thermal delight about which rituals have developed—reinforcing bonds of affection and ceremony forged in the thermal

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experience. Not only is thermal symbolism now obsolete but the modern emphasis on central heating systems and air conditioning and hermetically sealed buildings has actually damaged our thermal coping and sensing mechanisms. This book for the solar age could help change all that and open up for us a new dimension of architectural experience. As the cost of energy continues to skyrocket, alternatives to the use of mechanical force must be developed to meet our thermal needs. A major alternative is the

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use of passive solar energy, and the book will provide those interested in solar design with a reservoir of ideas.

You can use this book to design a house for yourself with your family; you can use it to work with your neighbors to improve your town and neighborhood; you can use it to design an office, or a workshop, or a public building. And you can use it to guide you in the actual process of construction. After a ten-year silence, Christopher Alexander and his colleagues at the Center for Environmental Structure

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are now publishing a major statement in the form of three books which will, in their words, "lay the basis for an entirely new approach to architecture, building and planning, which will we hope replace existing ideas and practices entirely." The three books are *The Timeless Way of Building*, *The Oregon Experiment*, and this book, *A Pattern Language*. At the core of these books is the idea that people should design for themselves their own houses, streets, and communities. This idea may be radical (it

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implies a radical transformation of the architectural profession) but it comes simply from the observation that most of the wonderful places of the world were not made by architects but by the people. At the core of the books, too, is the point that in designing their environments people always rely on certain "languages," which, like the languages we speak, allow them to articulate and communicate an infinite variety of designs within a formal system which gives them coherence. This book provides a language of this kind. It

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will enable a person to make a design for almost any kind of building, or any part of the built environment. "Patterns," the units of this language, are answers to design problems (How high should a window sill be? How many stories should a building have? How much space in a neighborhood should be devoted to grass and trees?). More than 250 of the patterns in this pattern language are given: each consists of a problem statement, a discussion of the problem with an illustration, and a solution. As the

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authors say in their introduction, many of the patterns are archetypal, so deeply rooted in the nature of things that it seems likely that they will be a part of human nature, and human action, as much in five hundred years as they are today.

Provides a look at the future as it is envisioned by the Media Lab at MIT, where scientists are retooling mass media to the desires and whims of the individual

How Buildings Learn

The Language of Houses

A Graphic Lexicon of How Buildings Touch

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the Ground

The Future of Architecture in 100
Buildings

How Buildings Shape Society

Books, Buildings and Social Engineering

A Psychoanalytic Study of How Buildings
Make and Break Our Lives

Current assessment methods of sustainable buildings do not adequately account for the users' needs. Given that over the life of a building, total salary costs far outweigh both operating costs and combined capital and rental costs, the occupants' needs are not

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something which should be sensibly ignored. This book presents an unbiased evaluation of thirty of the most cutting-edge, sustainable buildings in the world, in terms of the users' perceived comfort, health and productivity. The author has visited the buildings, interviewed the design teams and examined the findings of a sixty-question standardized user questionnaire. The book provides: thirty case studies covering mixed-mode, passive and environmentally sustainable commercial and institutional buildings detailed insights into the principles underlying the design of sustainable buildings worldwide, over several

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climatic zones and eleven countries, together with clear explanations and illustrations of innovative design practice a discussion of common issues and the lessons that may be learnt from a study of the performance of sustainable buildings in practice, from the point of view of the people who use them. This important book will be of great benefit to architects and engineers, facility managers of commercial and institutional buildings, as well as developers and researchers, academics and students in these fields. Things fall apart. But in his innovative, wide-ranging, and well-illustrated book, Daniel Abramson

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investigates the American definition of what falling apart entails. We build new buildings partly in response to demand, but even more because we believe that existing buildings are slowly becoming obsolete and need to be replaced. Abramson shows that our idea of obsolescence is a product of our tax code, which was shaped by lobbying from building interests who benefit from the idea that buildings depreciate and need to be replaced. The belief in depreciation is not held worldwide which helps explain why preservation movements struggle more in America than elsewhere. Abramson's tour of our idea of obsolescence

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culminates in an assessment of recent tropes of sustainability, which struggle to cultivate the idea that the greenest building is the one that already exists." This highly original and sophisticated look at architecture helps us to understand the cultural significance of the buildings that surround us. It avoids the traditional style-spotting approach in favour of giving an idea of what it is about buildings that moves us, and what it is that makes them important artistically and culturally. The book begins by looking at how architecture acquires meaning through tradition, and concludes with the exoticism of the

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recent avant garde. Illustrations of particular buildings help to anchor the general points with specific examples, from ancient Egypt to the present day. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

How do the spaces we inhabit affect us—and reflect u

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A Pulitzer Prize-winning author explores architecture, in this insightful, "breezy" read (The Washington Post). In 1981, Alison Lurie published *The Language of Clothes*, a meditation on costume and fashion as an expression of history, social status and individual psychology. Amusing, enlightening and full of literary allusion, the book was highly praised and widely anthologized. Now Lurie has returned with a companion book, *The Language of Houses*, a lucid, provocative and entertaining look at how the architecture of buildings and the spaces within them both reflect and affect the people who inhabit them.

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Schools, churches, government buildings, museums, prisons, hospitals, restaurants, and of course, houses and apartments—all of them speak to human experience in vital and varied ways. *The Language of Houses* discusses historical and regional styles and the use of materials such as stone and wood and concrete as well as contemplating the roles of stairs and mirrors, windows and doors, tiny rooms and cathedral-like expanses, illustrating its conclusions with illuminating literary references and the comments of experts in the field. Accompanied by lighthearted original drawings, *The Language of Houses* is an

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essential and highly entertaining new contribution to the literature of modern architecture.

How Structures Fail

How to Read Buildings

An Oral History as Told by Jon Stewart, the Correspondents, Staff and Guests

Making sustainable architecture work

Architecture and Ritual

What Happens After They're Built

Energy, People, Buildings

Written for students and practitioners in the fields of architecture and interior design, our new

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Architecture Brief Sustainable Design provides a concise overview of all the techniques available for reducing the energy footprint of structures and spaces. With clear, simple language and a practical "can-do" approach, author David Bergman covers everything from the profession's ethical responsibility, to design structures and spaces that sustain our natural resources, to specific considerations such as rainwater harvesting, graywater recycling, passive heating techniques, solar orientation, green roofs, wind energy, daylighting, indoor air quality, material evaluation and specification, and how to work with green

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building certification programs.

The Great Indoors

Loose-Fit Architecture

What the Users Think

Architecture: A Very Short Introduction

Healthy Buildings

The Media Lab