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# Building Type Basics For Housing

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A Housing Typology

A Typology

Bigger Isn't Necessarily Better

Zero-Commute Housing

Building Type Basics for College and University Facilities

The Art of Sharing

Building Type Basics for Healthcare Facilities

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*Building Type Basics For Housing*

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### **A Housing Typology** John Wiley & Sons

“Longer lifespans and the needs of the oldest old are challenging the senior living industry to find bold and compassionate solutions to combine programs and services with housing. Victor Regnier's latest research provides a thoughtful and insightful roadmap that arrays new ways of thinking from small-scale settings to community based options. International case studies offer possible solutions with the best thinking from around the globe...all with Vic's unique perspective of extracting themes and concepts that are broadly applicable and essential to addressing the needs of those that live on life's fragile edge.” —David

Hoglund, FAIA “Supporting the independence of the oldest-old is a tough problem Victor Regnier addresses in his latest book on aging and housing. Like previous work, Victor relies on the best practices of northern Europeans to outline a three-prong approach. First, providing extremely comprehensive home care services in an "apartment for life" setting. Second, reforming the conventional nursing home by exploring small group style accommodations. Third, combining new technology with community based services to age in place. Case studies document the experiences of others in making these programs work here and abroad. The magnitude of the 90+ and 100+ population increases in the next 50 years make it clear how important it is to address this concern today.” —Edward Steinfeld Darch “The movement of health care from the institution to the home is a theme that Regnier identifies as one of the most

important lessons in rethinking the issue of how to support the ever growing and increasingly aged older population here and abroad. He examines simple but profound approaches we can take in making long-term care a more humane proposition. Familiar themes like humanizing technology and optimizing the impact of the natural environment are brought together with clear policy thinking about what we need to do. The timing is good because the impact of this growing segment of society will have major repercussions on health care for the next 50-70 years.” —Stephan Verderber, Ph.D. A comprehensive guide to designing housing for the world’s aging population The dilemma of helping older people maintain their independence through better housing with services is growing. This book presents innovative solutions for those who create and provide housing for the world’s increasingly longer-living population. By focusing on three specific housing and service arrangements, it offers alternatives that provide greater freedom of choice than the current living arrangements that exist today. It presents selected examples of housing and service solutions from the US, Sweden, Denmark and the Netherlands to stimulate thinking about the possibilities of community-based service models. *Housing Design for an Increasingly Older Population* looks at a trio of options for housing the “oldest-old:” the Dutch Apartment/Condo for Life Model (AFL); decentralized Small/Green Houses; and the provision of enhanced personal and health care for people who want to stay in their own home. It offers unique and eye-opening chapters covering: what older people want; what age changes affect independence; demographics and living arrangements; how long-term care is defined; concepts and objectives for housing the

frail; care giving and management practices that avoid an institutional lifestyle; innovative case studies; programs that encourage staying at home with service assistance; therapeutic use of outdoor spaces; how technology will help people stay independent; and more. Based on the author’s numerous conversations with other experts, as well as his examinations of high quality settings from Northern Europe and the US *Building* case study examples showcase innovative and compassionate solutions In-depth coverage of three major systems that work Examines successful programs such as PACE, Friendly Cities, NORC, and the “Village to Village Network” to demonstrate the progress made in helping older, frail people stay in their own homes for as long as possible *Housing Design for an Increasingly Older Population: Redefining Assisted Living for the Mentally and Physically Frail* is an important book for those who create, design, and manage assisted living and skilled nursing facilities, as well as for those who set policies regarding health, and personal care for our world’s aging society.

*A Typology* John Wiley & Sons

The architect’s primary source for information on designing for egress, evacuation, and life safety, *Egress Design Solutions, Emergency Evacuation and Crowd Management Planning*, is written by proven experts on egress issues. Meacham and Tubbs are engineers with Arup, an international firm with a stellar reputation for quality design and engineering. Their book examines egress solutions in terms of both prescriptive and performance-based code issues. A portion of the book focuses on techniques for providing egress design solutions and for coordinating egress systems with other critical life safety

systems. Another part reviews historic and recent tragic life-loss fire events. As such, this is easily the most comprehensive take on the subject, written especially for architects.

Bigger Isn't Necessarily Better Building Type Basics for Housing Daniel Parolek, an architect and urban designer, illustrates the power of Missing Middle housing types--such as duplexes, fourplexes, and bungalow courts-- to meet today's diverse housing needs. With the benefit of beautiful full-color graphics, Parolek goes into depth about the benefits and qualities of Missing Middle Housing, explains why more developers should be building them, and defines the barriers cities need to remove to enable them to be built. Parolek proves that density is too blunt of an instrument to effectively regulate for twenty-first-century housing needs. Whether you are a planner, architect, builder, or city leader, Missing Middle Housing will help you think differently about how to address housing needs for today's communities.

Zero-Commute Housing University of Virginia Press

The systematic development of building types is an important task in housing construction. A deeper understanding of the underlying building types is mandatory, both for individual designs and for the wider application and variation of tried-and-tested structures. The authors have developed an innovative, drawing-based approach for unfolding the potentials of several existing building types for the future of urban housing. The first part is dedicated to the courtyard house, in which the courtyard is used as a private outside living space. The second part deals with the popular form of the terraced house and discusses aspects of corner solutions or terraced developments as an urban design element. In the third part, the townhouse is discussed with

view to variants such as single-story and apartment buildings, including aspects of privacy and public access, as well as living and working. Finally, the detached house type is considered in its potential to provide all-directional orientation of the living space. The array of solutions is presented consistently in floorplans and cross-sections drawn to scale. In a new introduction to this all-in-one compendium the authors discuss the implications of the typological approach for today's housing design.

*Building Type Basics for College and University Facilities* John Wiley & Sons

The home, an essential part of the American dream, has been beset by troubles since the beginning of the Great Recession in 2007. Whether from an unstable housing economy, ever-rising energy costs, or the environmental ruin of urban sprawl, the origin and variety of these assaults can be bewildering. Surprisingly, some of the answers to many of these modern-day troubles lie in some of humanity's most ancient building techniques. Earth-sheltered building has existed since the heyday of Skara Brae in Scotland 5,000 years ago, and is used today by people around the world, from the Yaodong of northwest China to the subterranean residents of Coober Pedy, Australia, and even to converted missile silos in America. If you have ever looked at your power bill in stunned disbelief, if you are interested in green building techniques, or if you want your home to stand out (or hide out), then this book is for you. Contrary to popular misconceptions of being cramped, dark, or dank domiciles, earth-sheltered homes come in a number of different styles, incorporating brilliant techniques designed to bring light and air into the home. With *The Complete Guide to Building Affordable*

Earth-Sheltered Homes, you will learn about the many different types of earth-sheltered homes and their various advantages, including a life span that can be two to three times longer than that of conventional housing, inexpensive building materials, and reduced maintenance costs. Additionally, the energy costs of an earth-sheltered home can be as much as 80 percent lower than a conventional home's power costs. The book will also examine the different environmental factors that you need to consider when selecting which style to build and how to begin, and carry out, your building process. Some of the factors discussed include the different types of soil and how to adjust to them, the level of precipitation and how to manage runoff, and how to maximize use of natural light sources. Construction experts and earth-sheltered homebuilders have been interviewed and their expertise is included in this guide to help you learn how you can create your own underground home. Details of construction methods are found throughout the book, including tips and advice for planning, excavation, flooring, walls, framing, waterproofing, roofing, drainage, and insulation. You will also learn how to pour your own footings and floor, how to dry stack concrete block walls, how to use post and beam framing, and how to waterproof the membranes. With the information provided in this book, you can start planning and building your own earth-sheltered home in no time so that you, too, can benefit from the natural protection of the earth. If earth-sheltered building is good enough for Bill Gates's \$136 million mansion, then it just might be good enough for you too.

The Art of Sharing John Wiley & Sons

"The book provides a 28-step process that is organized according

to the three phases of architectural design: schematic design, design development, and construction documents"--

**Building Type Basics for Healthcare Facilities** Pantheon

Despite the growth of huge national home builders and industry consolidation that accompanied it, *Bigger Isn't Necessarily Better* shows that most builders did not improve their operational performance during the boom. As a result, the sector had a long way to fall as the economy collapsed about them. Given the importance of housing to the US economy, the book's lessons are critical to those in homebuilding as well as to policy makers, scholars, and the public."

*Modern Apartment Design* John Wiley & Sons

To continue developing existing building types in an intelligent way is a crucial task in the field of residential building. For the success of the individual design, as well as for ensuring that tried and tested structures can be utilized, repeated, and varied, a deeper grasp of the underlying types is indispensable. For this typology of residential buildings, the authors have developed systematic new presentations of the most innovative types. Each individual volume lays out the possibilities for using and transforming a particular form of residential structure. The fourth volume deals with the types of freestanding houses, whose all-around orientation allows for the optimal arrangement of all dwellings. A presentation of the freestanding house as an isolated element and as a building block for larger structures is followed by discussions of topics such as self-sufficiency versus neighborhoods, "Raumplan" versus "plan libre," and individuality versus density. Within each type, variants are distinguished according to type of access, number of floors, etc. The range of

possible solutions is presented in uniform ground plans and sections newly drawn to scale.

**Building Type Basics for Elementary and Secondary Schools** Wiley

Publisher description

**Building Type Basics for Healthcare Facilities** John Wiley & Sons

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**Building Type Basics for Justice Facilities** John Wiley & Sons

This collection of essays by leading scholars and practitioners addresses a timely and essential question: How can we design, plan, and sustain built environments that will foster health and healing? With a salutogenic (health-promoting) focus, *Healthy Environments, Healing Spaces* addresses a range of contemporary issues, including health equity, biophilic cities, healthcare facility design, environmental health, aging in place, and food systems planning. Contributors: Ellen Bassett ● Timothy Beatley ● Emily Chmielewski ● Jason Corburn ● Tanya Denckla Cobb ● Tye Farrow ● Ann Forsyth ● Howard Frumkin ● Judith H. Heerwagen ● J. David Hoggund ● Carla Jones ● Andrew Mondschein ● Christina Mullen ● Reuben Rainey ● Samina Raja ● Jennifer Whittaker

*Practices and Directions in Health, Planning, and Design* John Wiley & Sons

Essential information for the design of senior living facilities *Building Type Basics for Senior Living, Second Edition* is your one-stop reference for essential information you need to plan and successfully complete the design of residential care environments for seniors on time and within budget. Primary authors Bradford

Perkins and J. David Hoggund and their Perkins Eastman colleagues—all experts in senior living design—share firsthand knowledge to guide you through all aspects of the design of senior living communities, including independent living and assisted living apartments, and skilled nursing facilities. This edition features new examples of completed projects and is up to date with the latest developments in senior living design, including coverage of sustainable design, renovation and reinvention, international opportunities, operations, and project financing. This new edition offers: Numerous photographs, diagrams, and plans A new chapter on issues, trends, and challenges for the senior living industry in the next decade A new chapter devoted to sustainability strategies and considerations Up-to-date coverage of new technologies being implemented in senior living facilities New space programming standards and sample programs Like every *Building Type Basics* book, this conveniently organized quick reference provides authoritative, up-to-date information instantly and saves professionals countless hours of research.

Residential Buildings John Wiley & Sons

"Recent societal changes brought about renewed interest by architects, town planners and housing officials in terraced and row homes. This prototype whose origins date back several centuries offers relevant solutions to contemporary challenges. Chief among these challenges is a need to adopt sustainable approaches to the planning of neighbourhood and the design of dwellings. These homes built in higher densities help halt urban sprawl with its many negative traits and also contribute to the reduction of materials used in their construction, and once occupied - to their energy efficiency. Another aspect that

occupies both housing providers and consumers is affordability. It has become highly difficult for first time homebuyers to purchase a dwelling in most urban centres. Due to their physical characteristics these narrow-frontage homes reduce the amount of land consumed and investments in costly infrastructure which makes them affordable. Society's rapidly changing demographic make-up is another trend which renewed interest in this prototype. There are more singles, single parents and childless couples who wish to reside in a ground-related dwelling rather than in an apartment. Over the years, the row or terraced home maintained its appeal by offering privacy and green yards in dense configuration. New challenges have given them renewed importance which makes this book on their design and planning highly relevant"--

Building Type Basics for Senior Living Birkhäuser

From the acclaimed New York Firm of Kohn Pedersen Fox, this volume in the Building Type Basics series gives you the essential information you need to initiate designs for every type of office building, from dramatic skyscrapers to utilitarian low-rise complexes. Combines in-depth coverage of all of the structural, mechanical, acoustic, traffic, and security issues unique to today's office buildings with the nuts-and-bolts guidance you need to launch your design project and see it through. Addresses a broad scope of timely issues related to modern office design: standard and alternate workplaces, the "smart" office building, security, healthy interiors, elevators, image and identity, and more. Order your copy today!

*Building Type Basics for Museums* Lexington Books

The Wiley Building Type Basics series provides architects and

other professionals with the essential information they need to jumpstart the design of a variety of facilities. This volume covers the design of research laboratories, with the practical information necessary to meet the construction and renovation needs of this increasingly complex industry. Featuring more than 200 illustrations, the Second Edition now addresses laboratory construction in Asia, the Middle East, and Europe, and updates its information for post-9/11 research needs and trends, including the current International Building Codes. New and updated projects from a variety of designers including Duke University's Medical Science Research Building, GlaxoWellcoms laboratories in the UK, and the US government's Argon laboratory.

**A Guide to Evacuation and Crowd Management Planning**

Univ of California Press

Essential information for the design of housing Building Type Basics for Housing, Second Edition is your one-stop reference for the essential information you need to confidently begin the design process and successfully complete the design for housing, large or small, on time and within budget. Members of the award-winning design firm Goody Clancy share their firsthand knowledge to guide you through all aspects of designing and building residences. The book presents knowledgeable, real-world advice for architects, planners, engineers, and developers to create excellent residential design projects for a variety of housing types. This updated edition offers a new collection of detailed project examples that represent the best in today's housing designs, including more information on sustainable design and a fresh look at mixed-use developments increasingly popular in urban areas. It walks the reader through the



guidelines, planning concepts, and lessons learned—from single-family detached homes and townhouses to multi-family, mid-rise, and high-rise buildings. Coverage also includes essential topics such as community planning, site layout, zoning and code issues, parking strategies, and the selection of building materials. This new edition: Asks and answers twenty questions that frequently arise in the early phases of a residential commission Provides a number of residential examples—new to this edition—from the last decade, covering the full range of housing densities Is illustrated with numerous photographs, diagrams, plans, and sections Shows how to obtain financing, approvals, and support for developments Includes new information on sustainability, which is incorporated throughout the book This conveniently organized quick reference is an invaluable guide for busy, dedicated professionals who want to get moving quickly as they embark on a new project. Like every Building Type Basics book, it provides authoritative, up-to-date information instantly and saves professionals countless hours of research.

*The Architecture of Affordable Housing* John Wiley & Sons  
Residential Buildings are normally the first design projects encountered by the student in his or her training. The focus at this point is on the different conceptual possibilities that allow one to take the first step toward an actual idea. Themes: Concepts and kinds of cohabitation and dwelling Residential functions The creation of living space Design in housing construction

**Building Type Basics for Senior Living** John Wiley & Sons  
Written by an expert who is the architect of the University of Virginia, Building Type Basics for College and University Facilities

provides an updated essential guide to the design of college and university buildings. Featuring contributions from notable architecture and design experts, this second edition includes a number of new examples of college and university buildings completed this century as well as significant new content, including information on sustainability, preservation, technology, and the influence of interdepartmental collaboration on the built environment.

**Building Type Basics for Elementary and Secondary Schools** Routledge

“Although the live-work concept is now accepted among progressive urban design and planning professionals, the specifics that define the term, and its application, remain sketchy. This encyclopedic work is sure to change that, providing the critical information that is needed by architects, planners and citizens.” -Peter Katz, Author, *The New Urbanism, and Planning Director, Arlington County, Virginia Live-Work Planning and Design* is the only comprehensive guide to the design and planning of live-work spaces for architects, designers, and urban planners. Readers will learn from built examples of live-work, both new construction and renovation, in a variety of locations. Urban planners, developers, and economic development staff will learn how various municipalities have developed and incorporated live-work within building codes and city plans. The author, whose pioneering website, [www.live-work.com](http://www.live-work.com), has been guiding practitioners and users of live-work since 1998, is the United States' leading expert on the subject.

**Redefining Assisted Living for the Mentally and Physically Frail** John Wiley & Sons



This text is about the design of dignified, affordable housing for those not served by the private sector, and how that housing fits comfortably into our communities. It is a non-technical analysis for everyone interested in the creation of affordable housing.

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