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Planning, Design, and Construction of Health Care Facilities CIFOR
Praise for Design Details for Health "Cynthia Leibrock and Debra Harris have developed a vitally important reference. They draw upon and compile a rich source of evidence that supports the application of specific research-based details for particular health-related settings."—From the Foreword by Dr. Wayne Ruga, AIA, FIIDA, Hon. FASID The revised edition on implementing design details to improve today's health care facilities—an inspiring, comprehensive guide In this significantly revised second edition, Cynthia Leibrock and Debra Harris offer up-to-date information on design details that can improve patient outcomes and user experience by returning authority to the patient, along with fascinating case studies and research demonstrating the positive role design can play in reducing health care costs. Design Details for Health, Second Edition offers contemporary examples showing how design can improve patient comfort and independence, and demonstrates how to design highly functional health care facilities that operate at peak performance. The book addresses a range of health care facility types including hospitals, ambulatory care, wellness centers, subacute care and rehabilitation, adult day care and respite, assisted living, hospice, dementia care, and aging in place. This Second Edition includes: The latest research, which was only anecdotal in nature as recently as a decade ago, illustrating how design through evidence produces measurable outcomes Real-world case studies of a range of excellent health care facilities that have been designed and built in the twenty-first century Updated contributions with leading practitioners, researchers, and providers conveying how design has a positive impact on health care delivery When design empowers rather than disables, everybody wins. Sensitive to the needs of both patients and providers, Design Details for Health, Second Edition is essential reading for today's architects, interior designers, facility managers, and health care professionals.

Sound & Vibration 2.0 APIC

This compilation of more than 30 outstanding projects in the areas of assisted living, continuing care retirement communities, and nursing homes represents the best current work designed by architects for the ever-increasing aging population. A dedicated jury of architects from the American Institute of Architects (AIA) Design for Aging Knowledge Community and LeadingAge, providers of senior housing services, selected the diverse range of projects featured in this volume for the successful Design for Aging series. Each project is presented with photographs, detailed plans, and statistics, illuminating the high level of research, planning and community involvement that goes into these advancements in living environments for seniors. This comprehensive review of architectural design trends in aged-care facilities will appeal to aged-care providers, developers, users, and advocates; architects; and interior, landscape, and other

design professionals.

Architecture and Health W. W. Norton & Company

Based on world-wide public health data, this report lays out the premise for building healthy places and illuminates the role of the real estate and development community in addressing public health issues. This is an essential resource for public officials, real estate developers, engineers, consultants, and students of urban planning.

Building Type Basics for Healthcare Facilities McGraw Hill Professional

Reflecting the most current thinking about infection control and the environment of care, this new edition also explores functional, space, and equipment requirements for acute care and psychiatric hospitals; nursing, outpatient, and rehabilitation facilities; mobile health care units; and facilities for hospice care, adult day care, and assisted living. [Editor, p. 4 cov.]

National Geographic Books

Standards to guide the design and construction of nursing homes, assisted living facilities, independent living settings, and related outbased service facilities, including adult day care

Justice Is Beauty American Hospital Association

Guidelines for Design and Construction of Hospital and Health Care Facilities Aia Press

Evidence-Based Healthcare Design Springer Science & Business Media

It is ironic that those whose job it is to save lives often find themselves injured in the course of performing their duties. In fact, according to the Bureau of Labor Statistics, healthcare workers have higher injury rates than agriculture workers, miners, and construction workers. The Handbook of Modern Hospital Safety, Second Edition covers exposure paradigms and offers solutions and models of protection for these individuals, presenting the latest science and intervention strategies that have proven successful in the scientific community. Extensively revised, this second edition explores a host of hazardous conditions that are faced by healthcare workers in today's hospitals, including: infection and infectious diseases back injuries needlesticks workplace violence slip, trip, and fall injuries ergonomic issues electrocautery smoke toxic drugs ethylene oxide aldehydes pentamidine ribavirin In this long-awaited update to William Charney's seminal work, experts from leading hospitals, universities, and health organizations explore these health risks and suggested preventive measures, discuss recent research and new information on technology to protect workers, cover new legislation and regulations, and provide insight into the philosophy of creating a safe hospital culture.

Building Codes Illustrated for Healthcare Facilities John Wiley & Sons

This comprehensive and authoritative guide offers an evidence-based overview of healing gardens and therapeutic landscapes from planning to post-occupancy evaluation. It provides general guidelines for designers and other stakeholders in a variety of projects, as well as patient-specific guidelines covering twelve categories ranging from burn patients, psychiatric patients, to

hospice and Alzheimer's patients, among others. Sections on participatory design and funding offer valuable guidance to the entire team, not just designers, while a planting and maintenance chapter gives critical information to ensure that safety, longevity, and budgetary concerns are addressed.

Guidelines for Laboratory Design Wiley-Interscience

If designed properly, a healthcare interior environment can foster healing, efficient task-performance and productivity, effective actions, and safe behavior. Written by an expert practitioner, Rosalyn Cama, FASID, this is the key book for interior designers and architects to learn the methodology for evidence-based design for healthcare facilities. Endorsed by the American Society of Interior Designers, the guide clearly presents a four-step methodology that will achieve the desired outcome and showcases the best examples of evidence-based healthcare interiors. With worksheets that guide you through such practical tasks as completing an internal analysis of a client's facility and collecting data, this book will inspire a transformation in healthcare design practice.

Guidelines for Construction and Equipment of Hospital and Medical Facilities Aia Press

Publisher description

Guidelines for Design and Construction of Residential Health, Care, and Support Facilities John Wiley & Sons

Management decisions on appropriate practices and policies regarding tropical forests often need to be made in spite of innumerable uncertainties and complexities. Among the uncertainties are the lack of formalization of lessons learned regarding the impacts of previous programs and projects. Beyond the challenges of generating the proper information on these impacts, there are other difficulties that relate with how to socialize the information and knowledge gained so that change is transformational and enduring. The main complexities lie in understanding the interactions of social-ecological systems at different scales and how they varied through time in response to policy and other processes. This volume is part of a broad research effort to develop an independent evaluation of certification impacts with stakeholder input, which focuses on FSC certification of natural tropical forests. More specifically, the evaluation program aims at building the evidence base of the empirical biophysical, social, economic, and policy effects that FSC certification of natural forest has had in Brazil as well as in other tropical countries. The contents of this volume highlight the opportunities and constraints that those responsible for managing natural forests for timber production have experienced in their efforts to improve their practices in Brazil. As such, the goal of the studies in this volume is to serve as the foundation to design an impact evaluation framework of the impacts of FSC certification of natural forests in a participatory manner with interested parties, from institutions and organizations, to communities and individuals.

Handbook of Modern Hospital Safety BRILL

This product of the Facility Guidelines Institute (FGI) provides minimum standards for design and construction of hospitals and outpatient facilities. The standards for long-term care facilities will appear in a new document for 2014; please see the entry for *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities*. Included in the *Guidelines for Hospitals and Outpatient Facilities* is information on the planning, design, construction, and commissioning process and facility requirements for both hospitals and outpatient facilities. Included are general hospitals, psychiatric hospitals, and rehabilitation facilities as well as new chapters on children's and critical access hospitals. Outpatient facilities covered include primary care facilities; outpatient surgery facilities; birth centers; urgent care

centers; mobile units; outpatient psychiatric and rehabilitation centers; facilities for endoscopy, dialysis, and cancer treatment; and a new chapter on dental facilities. In addition, the 2014 *Guidelines* includes new material on safety risk assessments and medication safety zones; increased requirements for commissioning infrastructure systems; and updated requirements for surgery, imaging, endoscopy, and dialysis facilities as well as primary care facilities and freestanding emergency facilities.

The context of natural forest management and FSC certification in Brazil John Wiley & Sons

The *Routledge Companion for Architecture Design and Practice* provides an overview of established and emerging trends in architecture practice. Contributions of the latest research from international experts examine external forces applied to the practice and discipline of architecture. Each chapter contains up-to-date and relevant information about select aspects of architecture, and the changes this information will have on the future of the profession. The *Companion* contains thirty-five chapters, divided into seven parts: Theoretical Stances, Technology, Sustainability, Behaviorism, Urbanism, Professional Practice and Society. Topics include: Evidence-Based Design, Performativity, Designing for Net Zero Energy, The Substance of Light in Design, Social Equity and Ethics for Sustainable Architecture, Universal Design, Design Psychology, Architecture, Branding and the Politics of Identity, The Role of BIM in Green Architecture, Public Health and the Design Process, Affordable Housing, Disaster Preparation and Mitigation, Diversity and many more. Each chapter follows the running theme of examining external forces applied to the practice and discipline of architecture in order to uncover the evolving theoretical tenets of what constitutes today's architectural profession, and the tools that will be required of the future architect. This book considers architecture's interdisciplinary nature, and addresses its current and evolving perspectives related to social, economic, environmental, technological, and globalization trends. These challenges are central to the future direction of architecture and as such this *Companion* will serve as an invaluable reference for undergraduate and postgraduate students, existing practitioners and future architects.

Innovations in Healthcare Design Images Publishing

Learn the Tips, Become One of Those Who Know Building Construction and Architectural Practice, and Thrive! For architectural practice and building design and construction industry, there are two kinds of people: those who know, and those who don't. The tips of building design and construction and project management have been undercover-until now. Most of the existing books on building construction and architectural practice are too expensive, too complicated, and too long to be practical and helpful. This book simplifies the process to make it easier to understand and uncovers the tips of building design and construction and project management. It sets up a solid foundation and fundamental framework for this field. It covers every aspect of building construction and architectural practice in plain and concise language and introduces it to all people. Through practical case studies, it demonstrates the efficient and proper ways to handle various issues and problems in architectural practice and building design and construction industry. It is for ordinary people and aspiring young architects as well as seasoned professionals in the construction industry. For ordinary people, it uncovers the tips of building construction; for aspiring architects, it works as a construction industry survival guide and a guidebook to shorten the process in mastering architectural practice and climbing up the professional ladder; for seasoned architects, it has many checklists to refresh their memory. It is an indispensable reference book for ordinary

people, architectural students, interns, drafters, designers, seasoned architects, engineers, construction administrators, superintendents, construction managers, contractors, and developers. You will learn: 1. How to develop your business and work with your client. 2. The entire process of building design and construction, including programming, entitlement, schematic design, design development, construction documents, bidding, and construction administration. 3. How to coordinate with governing agencies, including a county's health department and a city's planning, building, fire, public works departments, etc. 4. How to coordinate with your consultants, including soils, civil, structural, electrical, mechanical, plumbing engineers, landscape architects, etc. 5. How to create and use your own checklists to do quality control of your construction documents. 6. How to use various logs (i.e., RFI log, submittal log, field visit log, etc.) and lists (contact list, document control list, distribution list, etc.) to organize and simplify your work. 7. How to respond to RFI, issue CCDs, review change orders, submittals, etc. 8. How to make your architectural practice a profitable and successful business. About the author Gang Chen holds a master's degree from the School of Architecture, University of Southern California (USC), Los Angeles, and a bachelor's degree from the School of Architecture, South China University of Technology. He has over 20 years of professional experience. Many of the projects he was in charge of or participated in have been published extensively in Architecture, Architectural Record, The Los Angeles Times, The Orange County Register, etc. He has worked on a variety of unusual projects, including well-known, large-scale healthcare and hospitality projects with over one billion dollars in construction costs, award-winning school designs, highly-acclaimed urban design and streetscape projects, multifamily housing, high-end custom homes, and regional and neighborhood shopping centers. Gang Chen is a LEED AP and a licensed architect in California. He is also the internationally acclaimed author for other fascinating books, including *Planting Design Illustrated* and *LEED Exam Guides Series*, which include one guidebook for each of the LEED exams.

[Practical Guide to Veterinary Hospital Design](#) John Wiley & Sons CD-ROM contains: Samples of all AIA contract documents.

Emergency Department Design Routledge

This book features comprehensive, practical, and measureable guidelines for all aspects of acoustics in the design, construction, and evaluation of all types of healthcare facilities, including large general hospitals and specialized patient care facilities.

[Housing as Intervention](#) John Wiley & Sons

Now more than ever, architects need an interpretive guide to understand how the building code affects the early design of specific projects. This easy-to-use, illustrative guide is part of a new series covering building codes based on the International Building Code for 2006. This book presents the complex code issues inherent to healthcare facility design in a clear, easily understandable format.

Human Dimension and Interior Space CRC Press

Studies confirm that the physical environment influences health outcomes, emotional state, preference, satisfaction and orientation, but very little research has focused on mental and behavioural health settings. This book summarizes design principles and design research for individuals who are intending

to design new mental and behavioural health facilities and those wishing to evaluate the quality of their existing facilities. The authors discuss mental and behavioural health systems, design guidelines, design research and existing standards, and provide examples of best practice. As behavioural and mental health populations vary in their needs, the primary focus is limited to environments that support acute care, outpatient and emergency care, residential care, veterans, pediatric patients, and the treatment of chemical dependency.

Intersections ArchiteG, Inc.

The study of human body measurements on a comparative basis is known as anthropometrics. Its applicability to the design process is seen in the physical fit, or interface, between the human body and the various components of interior space. *Human Dimension and Interior Space* is the first major anthropometrically based reference book of design standards for use by all those involved with the physical planning and detailing of interiors, including interior designers, architects, furniture designers, builders, industrial designers, and students of design. The use of anthropometric data, although no substitute for good design or sound professional judgment should be viewed as one of the many tools required in the design process. This comprehensive overview of anthropometrics consists of three parts. The first part deals with the theory and application of anthropometrics and includes a special section dealing with physically disabled and elderly people. It provides the designer with the fundamentals of anthropometrics and a basic understanding of how interior design standards are established. The second part contains easy-to-read, illustrated anthropometric tables, which provide the most current data available on human body size, organized by age and percentile groupings. Also included is data relative to the range of joint motion and body sizes of children. The third part contains hundreds of dimensioned drawings, illustrating in plan and section the proper anthropometrically based relationship between user and space. The types of spaces range from residential and commercial to recreational and institutional, and all dimensions include metric conversions. In the Epilogue, the authors challenge the interior design profession, the building industry, and the furniture manufacturer to seriously explore the problem of adjustability in design. They expose the fallacy of designing to accommodate the so-called average man, who, in fact, does not exist. Using government data, including studies prepared by Dr. Howard Stoudt, Dr. Albert Damon, and Dr. Ross McFarland, formerly of the Harvard School of Public Health, and Jean Roberts of the U.S. Public Health Service, Panero and Zelnik have devised a system of interior design reference standards, easily understood through a series of charts and situation drawings. With *Human Dimension and Interior Space*, these standards are now accessible to all designers of interior environments.

Design for Critical Care Urban Land Inst

This book is a selective, revised and annotated compendium of the best presentations at the prestigious National Symposium on Healthcare Design. It includes a major introduction by Wayne Ruga, the guru of international healthcare facilities design, as well as chapters on medical offices, new technologies, healing environments, and acute, long-term, ambulatory, and pediatric facilities.