

Innovations In Hospital Architecture By Verderber Stephen 2010 Hardcover

The Architecture of Hospitals Hospital Architecture Sustainable Healthcare Architecture Hospital Architecture and Beyond The Architecture of Health Hospitals Architecture and the Modern Hospital The Culture for the Future of Healthcare Architecture Designing Public Spaces in Hospitals Hospital Architecture Hospital Architecture The Covert Life of Hospital Architecture Medicine by Design Hospitals and Health Centres Hospital Architecture Innovations in Hospital Architecture Hospitals and Medical Facilities Hospital Interior Architecture Medicine by Design Healthcare Architecture in an Era of Radical Transformation *Cor Wagenaar* David R. Porter Robin Guenther Isadore Rosenfield Michael P. Murphy W. Paul James Julie Willis Romano Del Nord Nicoletta Setola Paul James Isadore Rosenfield Julie Zook Annmarie Adams Peter Pawlik Christine Nickl-Weller Stephen Verderber Philipp Meuser Jain Malkin Annmarie Adams Stephen Verderber

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the architecture of hospitals isbn 90 5662 464 4 u s 75 00 paperback 7 x 9 5 in 512 pgs 300 color and 100 b w item march architecture

this book has attempted to devise a common language for hospital planning programming architecture engineering and construction a complete hospital project should be based upon a series of clear tasks and a straightforward schedule that is understood by the hospital consultant architect engineer and contractor an important feature of this book is the presentation of operational programming ratios the use fo these ratios as a basis for sizing hospital department would give all of us a common method of re viewing hospital utilization enormous differences in size ranging from 600 to 1 200 gross square feet per bed of hospitals in the same community should not exist a baseline measurement is needed for all hospitals in order to assure quality space for the patient and to contain excessive facility cost based upon department wish lists

design restorative building biophilia enhanced air quality and high performance building systems written by leading national experts on the subject one of whom was recognized by time magazine as a green innovator sustainable healthcare architecture is the key guide to designing sustainable healthcare facilities building on the authors combined knowledge and experience this book includes case studies of more than 50 of the best contemporary sustainable healthcare projects the book also contains numerous essays contributed by other leaders in sustainable design and healthcare additionally the authors provide background information on leed for healthcare as well as on the green guide for health care which they were instrumental in developing provides a fundamental and rational approach to hospital planning

architecture of health is a story about the design and life of hospitals about how they are born and evolve about the forces that give them shape and the shifts that conspire to render them inadequate reading architecture through the history of hospitals is a deciphering tool for unlocking the elemental principles of architecture and the intractable laws of human and social conditions that architecture serves in each of our lives this book encounters brilliant and visionary designers who were hospital architects but also systems designers driven by the aim of social change they faced the contradictions of health care in their time and found innovative ways to solve for specific medical dilemmas less known designers like filarete illu□s dom□nech i montaner albert schweitzer max fry and jane drew john dawe tetlow gordon friesen thomas wheeler and eberhard zeidler are studied here while the medical spaces of more widely known architects like isambard brunel aalvar aalto le corbusier louis kahn

and paul rudolph also help inform this history all these characters were polymaths and provocateurs but none quite summarizes this history more succinctly than florence nightingale who in laying out her guidelines for ward design in 1859 shows how the design of a medical facility can influence an entire political and social order architecture of health richly illustrated with images and never before published renderings and drawings from the mass design group charts historical epidemics alongside modern and contemporary architectural transformations in service of medicine health and habitation it explores how infrastructure facilitates healing and architecture s greater role in constructing our societies

more than any other building type in the twentieth century the hospital was connected to transformations in the health of populations and expectations of lifespan from the scale of public health to the level of the individual the architecture of the modern hospital has reshaped knowledge about health and disease and perceptions of bodily integrity and security however the rich and genuinely global architectural history of these hospitals is poorly understood and largely forgotten this book explores the rapid evolution of hospital design in the twentieth century analysing the ways in which architects and other specialists reimagined the modern hospital it examines how the vast expansion of medical institutions over the course of the century was enabled by new approaches to architectural design and it highlights the emerging political conviction that physical health would become the cornerstone of human welfare

designing public spaces in hospitals illustrates that in addition to their aesthetic function public spaces in hospitals play a fundamental role concerning people s satisfaction and experience of health care the book highlights how spatial properties such as accessibility visibility proximity and intelligibility affect people s behavior and interactions in hospital public spaces based on the authors research the book includes detailed analysis of three hospitals and criteria that can support the design in circulation areas arrival and entrance first point of welcome reception and the interface between city and hospital illustrated with 150 black and white images

the covert life of hospital architecture addresses hospital architecture as a set of interlocked overlapping spatial and social conditions it identifies ways that planned for and latent functions of hospital spaces work jointly to produce desired outcomes

such as greater patient safety increased scope for care provider communication and more intelligible corridors by advancing space syntax theory and methods the volume brings together emerging research on hospital environments opening with a description of hospital architecture that emphasizes everyday relations the sequence of chapters takes an unusually comprehensive view that pairs spaces and occupants in hospitals the patient room and its intervisibility with adjacent spaces care teams and on ward support for their work and the intelligibility of public circulation spaces for visitors the final chapter moves outside the hospital to describe the current healthcare crisis of the global pandemic as it reveals how healthcare institutions must evolve to be adaptable in entirely new ways reflective essays by practicing designers follow each chapter bringing perspectives from professional practice into the discussion the covert life of hospital architecture makes the case that latent dimensions of space as experienced have a surprisingly strong link to measurable outcomes providing new insights into how to better design hospitals through principles that have been tested empirically it will become a reference for healthcare planners designers architects and administrators as well as for readers from sociology psychology and other areas of the social sciences

in the history of medicine hospitals are usually seen as passive reflections of advances in medical knowledge and technology in medicine by design annmarie adams challenges these assumptions examining how hospital design influenced the development of twentieth century medicine and demonstrating the importance of these specialized buildings in the history of architecture at the center of this work is montreal s landmark royal victoria hospital built in 1893 drawing on a wide range of visual and textual sources adams uses the royal vic along with other hospitals built or modified over the next fifty years to explore critical issues in architecture and medicine the role of gender and class in both fields the transformation of patients into consumers the introduction of new medical concepts and technologies and the use of domestic architecture and regionally inspired imagery to soften the jarring impact of high tech medicine identifying the roles played by architects in medical history and those played by patients doctors nurses and other medical professionals in the design of hospitals adams also links architectural spaces to everyday hospital activities from meal preparation to the ways in which patients entered the hospital and awaited treatment methodologically and conceptually innovative medicine by design makes a significant contribution to the histories of both

architectural and medical practices in the twentieth century annmarie adams is william c macdonald professor of architecture at mcgill university and the author of architecture in the family way doctors houses and women 1870 1900 and coauthor of designing women gender and the architectural profession

lavishly illustrated and showcasing detailed descriptions of more than 130 hospital buildings this handbook focuses on the interrelationship between the functional and technical aspects of the hospital structure and its aesthetically pleasing hotel like healthcare facilities this two volume publication contains ten specialist contributions on key issues in the current debate on the hospital of the future architectural history and typological classifications make this 700 page textbook an indispensable reference work for everyone with an interest in hospital architecture whether students architects or hospital directors structured by function large format photos scale drawings and plans coloured function diagrams conceptual designs with explanatory notes

the hospital of the future views itself as being a modern service provider the patient is a customer who is wooed with a medical and care focused service central aspect of this new thinking in the field of health care provision is the quality of life an

this indispensable reference book captures key recent developments in the rapidly evolving field of sustainable hospital architecture today s architects must provide hospitals which enable high quality care for diverse patient populations in carbon neutral care settings and this book succinctly considers what needs to be done in order to meet that challenge the contemporary hospital is viewed in the context of global climate change the planet s diminishing natural resources and the spiralling cost of operating healthcare facilities stephen verderber considers the future of the hospital and supplies a compendium of 100 planning and design considerations for the building type the book includes twenty eight case studies of built and unbuilt hospitals from around the world these are grouped into five types autonomous community based hospitals children s hospitals rehabilitation and elderly care centres and hospitals regional medical centre campuses and visionary unbuilt projects beautifully and extensively illustrated with many photographs diagrams and floor plans this is essential reading for all architects planners engineers product manufacturers clients healthcare providers and government agencies involved in the present and future of sustainable healthcare environments

this construction and design manual showcases all aspects of planning hospitals medical practices and pharmacies around 50 projects are presented in their entirety accompanied by large photographs true to scale floor plans and coloured diagrams the volume also features scientific contributions concerning methods of planning and questions of design additional essays on architectural history and typological classifications make this book spanning over 400 pages an indispensable reference work for everyone with an interest in hospital architecture and healthcare design construction data planning parameters and regulations for hospitals and medical facilities true to scale floor plans for different building types and scientific comments essential for healthcare design architecture and medical administration

hospital interior architecture

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in the 1960s and 1970s large high technology inpatient oriented hospitals reflected the central role of such facilities in an expanding healthcare system but hospital architecture and the healthcare system have vastly changed since then in profound and unpredicted ways this book explores for the first time how and why acute care hospitals and the often related psychiatric facilities retirement communities and community clinics have been transformed during the final decades of the twentieth century the authors also consider utopian visions of unbuilt work and look ahead to the possible healthcare landscape of the future health villages home based care for the aging and aged population and cyberclinics and virtual hospitals

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