

Guidelines

FOR DESIGN AND CONSTRUCTION OF

Hospitals

The Facility Guidelines Institute

2018 edition



Includes ANSI/ASHRAE/ASHE
Standard 170-2017:
Ventilation of
Health Care Facilities



Hospital Design Guidelines

David R. Porter



Hospital Design Guidelines:

Guidelines for Design and Construction of Hospital and Health Care Facilities United States. Department of Health and Human Services,1996 **Architectural Graphic Standards** The American Institute of Architects,2007-03-30 Since 1932 the ten editions of Architectural Graphic Standards have been referred to as the architect s bible From site excavation to structures to roofs this book is the first place to look when an architect is confronted with a question about building design With more than 8 000 architectural illustrations including both reference drawings and constructible architectural details this book provides an easily accessible graphic reference for highly visual professionals To celebrate seventy five years as the cornerstone of an industry this commemorative Eleventh Edition is the most thorough and significant revision of Architectural Graphic Standards in a generation Substantially revised to be even more relevant to today s design professionals it features An entirely new innovative look and design created by Bruce Mau Design that includes a modern page layout bold second color and new typeface Better organized a completely new organization structure applies the UniFormat r classification system which organizes content by function rather than product or material Expanded and updated coverage of inclusive universal and accessible design strategies Environmentally sensitive and sustainable design is presented and woven throughout including green materials LEEDS standards and recyclability A bold contemporary new package as impressive closed as it is open the Eleventh Edition features a beveled metal plate set in a sleek black cloth cover Ribbon Markers included as a convenient and helpful way to mark favorite and well used spots in the book All New material Thoroughly reviewed and edited by hundreds of building science experts and experienced architects all new details and content including new structural technologies building systems and materials emphasis on sustainable construction green materials LEED standards and recyclability expanded and updated coverage on inclusive universal and accessible design strategies computing technologies including Building Information Modeling BIM and CAD CAM new information on regional and international variations accessibility requirements keyed throughout the text new standards for conducting disseminating and applying architectural research New and improved details With some 8 500 architectural illustrations including both reference drawings and constructible architectural details Architectural Graphic Standards continues to be the industry s leading easily accessible graphic reference for highly visual professionals **Risk Management Series; Design Guide for Improving Hospital Safety in Earthquakes, Floods, and High Winds , Design Manual, Hospital and Medical Facilities** United States. Naval Facilities Engineering Command,1977 **Design Guide for Improving Hospital Safety in Earthquakes, Floods, and High Winds ,2007 Manual of Hospital Planning and Designing** Ajay Garg,Anil Dewan,2022-01-29 This book is a one stop resource on all the critical aspects of planning and designing hospitals one of the most complex healthcare projects to undertake A well planned and designed hospital should control infection rate provide safety to patients caregivers and visitors help improve patients recovery and have scope for

future expansion and change Reinforcing these basic principles guidance on such effective planning and designing is the key focus Readers are offered insights into eliminating shortcomings at every stage of setting up a hospital which may not be feasible to rectify later on through alterations Chapters from 1 to 12 of the book provide exhaustive notes on initial planning such as detailed project reports feasibility studies and area calculation Chapters 13 to 27 include designing and layout of all the essential departments units such as OPD emergency intermediate care diagnostics operating rooms and intensive care units Chapters 28 to 37 cover designing support services like sterilization department pharmacy medical gas pipeline kitchen laundry medical record and mortuary Chapters 38 to 48 take the readers through planning other services like air conditioning and ventilation fire safety extra low voltage mechanical electrical and plumbing services Chapter 49 is for the planning of medical equipment A particular chapter on Green hospital designing is included This book is a single essential tabletop reference for hospital consultants medical and hospital administrators hospital designers architecture students and hospital promoters

Design Guidelines for Hospital Open Spaces Robert George Paine,1984 **The AUPHA Manual of Health Services Management** Robert J. Taylor,Susan B. Taylor,1994 With contributions from more than 30 authorities in the field this reference covers topics varying from management techniques to strategic planning To ownership and governance To a department by department breakdown of health care facility support services **Guidelines for Design and Construction of Hospitals** ,2018 **Design Manual** United States. Naval Facilities Engineering Command,1971

Planning and Designing of Specialty Healthcare Facilities Shakti Kumar Gupta,Sunil Kant,R Chandrashekhara,2020-06-30

1 Burns and Reconstructive Surgery Center 2 Birthing Center 3 Assisted Reproductive Technology Facility 4 Mother and Child Health Center 5 Organ Transplant Center 6 Catheterization Laboratory Facility 7 Cardiothoracic and Vascular Surgery Center 8 Oncology Center 9 Nuclear Medicine Facility 10 Palliative Care Facility 11 Biosafety Laboratory 12 Clinical Decision Making Facility 13 Geriatric Healthcare Facility 14 Rehabilitation Center for Locomotor Disability 15 Trauma Care Facility 16 Mobile Health Unit 17 Renal Disease Center 18 Dialysis Facility 19 Critical Care Unit 20 Isolation Facility 21 Spinal Injury Center 22 Center for Hepatobiliary Diseases 23 Endoscopy Unit 24 Integrated and Hybrid Operating Room 25 Endocrinology and Metabolic Facility 26 Respiratory Medicine Facility 27 Sports Injury Center 28 Facility for Nanomedicine and Nanotechnology 29 Stem Cell Facility 30 Facility for Robotic Surgery 31 Sleep Center 32 Neurosciences Center 33 Renal Disease Center 34 Mental Health Facility 35 Chemical Biological Radiological and Nuclear Facility 36 Ophthalmology Center 37 ENT Audiology Clinic and Speech Therapy Center 38 Center for Cosmetic Surgery 39 Wellness Center 40 Green Hospitals 41 Smart Hospital 42 Telemedicine 43 Center for Dental Services 44 Lighting in Hospitals 45 Building Management Systems 46 Lean Healthcare Facility Design 47 Urgent Care Facility 48 Bariatric Surgery Facility 49 Hospital Management Information System 50 Ready Reckoner

[Planning & Designing Health Care Facilities in Developing Countries](#) Shashikant Sharma,Saurabh Singh,2024-07-16 Building a clinically integrated workplace with a high level of clinical competence

requires careful considerations of Hospital Planning For greenfield or brownfield hospital projects clinicians and C Suite executives need to acquire capabilities to address the planning needs of any organization This book aims to provide both theoretical and practical inputs for the Planning Designing of Health Care Facilities in Developing Countries It clearly indicates the steps to be followed facts to be weighed and components to be considered to arrive at a correct planning solution With health reform looming and the revenue base shifting rapidly we need to integrate patient safety concerns in the design process Key Features Liberal use of tables and figures to support conclusions illustrate concepts and display quantitative information making it easier for readers to understand and refer to large quantities of data Integrates the international norms for planning and designing health care facilities into the developing country setting Handbook and ready reckoner for C Suite executives hospital engineers project consultants and hospital administration students Guidelines for Design and Construction of Hospital and Health Care Facilities ,1997 **The Covert Life of Hospital Architecture**

Julie Zook,Kerstin Sailer,2022-03-22 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 Design for Pediatric and Neonatal Critical Care

Mardelle McCuskey Shepley,2014-02-03 Design for Pediatric and Neonatal Critical Care provides an overview of the design and research issues associated with the development of environments for pediatric and neonatal intensive care This is the first and only book dedicated to this topic and was created to support individuals interested in developing and studying critical care environments for children and their families In addition to a detailed analysis of the literature from research and practice the author provides a summary of the historical development of critical care for infants and children and information regarding the role of PICUs and NICUs in the critical care system A discussion of current codes and future trends is also

provided Design for Pediatric and Neonatal Critical Care includes essays from prominent voices in the field ranging from inspired young architects and researchers to world renowned healthcare design and research icons Illustrations of work that has been identified as exemplary or representative of recent directions are included which will help those planning new or remodeled projects to identify and examine precedents This book is intended to help designers and researchers enhance healing environments for young patients in critical care settings and provide information in support of the families and staff who provide care for these children and infants Hospital Architecture David R. Porter,1982 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 of 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 **Thoughts on Hospital Design and Construction in China** Lun Ge,Zhe Wang,2024-10-23 This book gathers the thoughts of 8 hospital presidents 9 vice presidents focusing on construction management in hospitals and 6 hospital architects regarding the hospital design and construction in China These experts are from top hospitals in Beijing Shanghai Zhenjiang Gansu Shangdong Sichuang and Neimenggu Province and have an average of 21 years of experience managing and developing hospitals in China The book shares their thoughts on the soul of a hospital the history and standards of Chinese healthcare systems and the development of environments for healthcare in China *2012 Accreditation Process Guide for Hospitals* Jcr,2012 Takes you step by step through the who why and how of the accreditation process This title includes the most accurate information about unannounced surveys It features a handy compliance checklist for all standards National Patient Safety Goals and elements of performance *Publications of the National Bureau of Standards* United States. National Bureau of Standards,1974

Rise of the Modern Hospital Jeanne Kisacky,2017-12-02 Rise of the Modern Hospital is a focused examination of hospital design in the United States from the 1870s through the 1940s This understudied period witnessed profound changes in hospitals as they shifted from last charitable resorts for the sick poor to premier locations of cutting edge medical treatment for all classes and from low rise decentralized facilities to high rise centralized structures Jeanne Kisacky reveals the changing role of the hospital within the city the competing claims of doctors and architects for expertise in hospital design and the influence of new medical theories and practices on established traditions She traces the dilemma designers faced between creating an environment that could function as a therapy in and of itself and an environment that was essentially a tool for the facilitation of increasingly technologically assisted medical procedures Heavily illustrated with floor

plans drawings and photographs this book considers the hospital building as both a cultural artifact revelatory of external medical and social change and a cultural determinant actively shaping what could and did take place within hospitals

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