

Auditorium Design Standards

Modern concert halls and opera houses are now very specialized buildings with special acoustical characteristics. With new contemporary case-studies, this updated book explores these characteristics as an important resource for architects, engineers and auditorium technicians. Supported by over 40 detailed case studies and architectural drawings of 75 auditoria at a scale of 1:500, the survey of each auditorium type is completed with a discussion of current best practice to achieve optimum acoustics.

Standards for the design of interior spaces should be based on the measurement of human beings and their perception of space, with special consideration for disabled, elderly, and children

For more than half a century, this book has been a fixture in architecture and construction firms the world over. Twice awarded the AIA's Citation for Excellence in International Architecture Book Publishing, Mechanical and Electrical Equipment for Buildings is recognized for its comprehensiveness, clarity of presentation, and timely coverage of new design trends and technologies.

Addressing mechanical and electrical systems for buildings of all sizes, it provides design guidelines and detailed design procedures for each topic covered. Thoroughly updated to cover the latest technologies, new and emerging design trends, and relevant codes, this latest edition features more than 2,200 illustrations--200 new to this edition--and a companion Website with additional resources.

Building Planning and Design Standards for Architects, Engineers, Designers, Consultants, Building Committees, Draftsmen and Students

Time-saver Standards for Architectural Design Data

Building Technology Publications

Design Criteria and Construction Standards

Architectural Graphic Standards

List of English-translated Chinese standards (GB/T)

Significantly updated in reference to the latest construction standards and new building types Sustainable design integrated into chapters throughout Over half of the entire book has now been updated since 2015 Over 100,000 copies sold to successive generations of architects and designers This book belongs in every design office. The Metric Handbook is the major handbook of planning and design data for architects and architecture students. Covering basic design data for all the major building types It is the ideal starting point for any project. For each building type, the book gives the basic design requirements and all the principal dimensional data, and succinct guidance on how to use the information and what regulations the designer needs to be aware of. As well as buildings, the Metric Handbook deals with broader aspects of design such as materials, acoustics and lighting, and general design data on human dimensions and space requirements. The Metric Handbook is the unique reference for solving everyday planning problems.

The fastest way to straighten out the learning curve on specialized design projects Building Type Basics books provide architects with the essentials they need to jump-start the design of a variety of specialized facilities. In each volume, leading national figures in the field address the key questions that shape the early phases of a project commission. The answers to these questions provide instant information in a convenient, easy-to-use format. The result is an excellent, hands-on reference that puts critical information at your fingertips. Building Type Basics for Elementary and Secondary Schools provides the essential information needed to initiate designs for preschools and kindergartens as well as elementary, middle, and high schools. Filled with project photographs, diagrams, floor plans, sections, and details, it combines in-depth coverage of the structural, mechanical, acoustic, traffic, and safety issues that are unique to school buildings with the nuts-and-bolts design guidelines that will start any project off on the right track and keep it there through completion.

The definitive reference on designing commercial interiors-expanded and updated for today's facilities Following the success of the ASID/Polsky Prize Honorable Mention in 1999, authors Christine Piotrowski and Elizabeth Rogers have extensively revised this guide to planning and designing commercial interiors to help professionals and design students successfully address today's trends and project requirements. This comprehensive reference covers the practical and aesthetic issues that distinguish commercial interiors. There is new information on sustainable design, security, and accessibility--three areas of increased emphasis in modern interiors. An introductory chapter provides an overview of commercial interior design and the challenges and rewards of working in the field, and stresses the importance of understanding the basic purpose and functions of the client's business as a prerequisite to designing interiors. This guide also gives the reader a head start with eight self-contained chapters that provide comprehensive coverage of interior design for specific types of commercial facilities, ranging from offices to food and beverage facilities, and from retail stores to health care facilities. Each chapter is complete with a historical overview, types of facilities, planning and interior design elements, design applications, a summary, references, and Web sites. New design applications covered include spas in hotels, bed and breakfast inns, coffee shops, gift stores and salons, courthouses and courtrooms, and golf clubhouses. In keeping with the times, there are new chapters focusing on senior living facilities and on restoration and adaptive use. A chapter on project management has been revised and includes everything from proposals and contracts to scheduling and documentation. Throughout the book, design application discussions, illustrations, and photographs help both professionals and students solve problems and envision and implement distinctive designs for commercial interiors. With information on licensing, codes, and regulations, along with more than 150 photographs and illustrations, this combined resource and instant reference is a must-have for commercial interior design professionals, students, and those studying for the NCIDQ licensing exam. Companion Web site: www.wiley.com/go/commercialinteriors

Auditorium Acoustics and Architectural Design

Statistics of Land-grant Colleges and Universities

Metric Handbook

Supplement 6, 1981

NBS Special Publication

Product catalog - China National Standard: GB; GB/T; GBT

The new student edition of the definitive architectural reference For seventy-five years, Architectural Graphic Standards has been the go-to reference for architects, builders, and engineers. Revised for the first time since 2000, Architectural Graphic Standards, Student Edition gives students their own handy resource. Carefully abridged from the Eleventh Edition of Architectural Graphic Standards, this Student Edition features the same richly detailed graphics and text that have made Architectural Graphic Standards a classic, but updated and reorganized in a way that is relevant to today's student. Thousands of illustrations and a rich index offer immediate access to hundreds of architectural elements, while the wide variety of topics covered makes this work relevant throughout a student's architecture education and into the early stages of professional practice. With a wealth of information for the student preparing for professional practice, this new edition: * Covers building standards and practices, materials and systems, and details for every type of project * Follows CSI's Uniformat, a classification system that closely matches an architect's workflow * Features completely updated content with a wide variety of standard architectural details * Offers an ancillary Web site featuring sample curriculums, student exercises, classroom projects, PowerPoint(r) slides, and more

This document provides the comprehensive list of Chinese National Standards - Category: GB; GB/T, GBT.

Originally devised as a guide for converting from imperial to metric measurements, "The Metric Handbook" has since been totally transformed into a major international handbook of planning and design data. The second edition has been completely updated, with most chapters being totally rewritten, to meet the needs of the modern designer. The book contains nearly 50 chapters dealing with all the principal building types from airports, factories and warehouses, offices shops and hospitals, to schools, religious buildings and libraries. For each building type "The Metric Handbook" gives the basic design requirements and all the principal dimensional data. Several chapters deal with general aspects of building such as materials, lighting, acoustics and tropical design. There are also sections on general design data, including details of human dimensions and space requirements. It is a unique authoritative reference for solving everyday planning problems. In its various editions it has sold over 100,000 copies worldwide, and continues to be a reference work belonging on every design office desk or drawing board. * THE source of information to solve your everyday planning problems * Easy to use provider of all data needed for the job * Keeps you up to date with all the latest information

The Ohio State University

Student Edition

An Introduction to Architectural Design

A Design and Development Guide

Journal of Research of the National Bureau of Standards

Ian Appleton's book is an essential guide for those who are involved in the initiation, planning, design and building of facilities for the various performing arts, from local to metropolitan locations. It includes the stages in the development, decisions to be taken, information requirements, feasibility and advice necessary in the design and development of a new or adapted building. Part one of this guide provides the background information about the organisation of the performing arts, the prevailing issues, the client and various building types. In the second part, the author deals with the components of design and development, identifying the roles of the client, advisors and consultants, the stages to be achieved, including client's proposal feasibility, the process of briefing, design and building and eventually hand-over and opening night, with a consideration of the building in use. Case studies are included which cover the assessment of demand, site requirements, initial brief, building design and financial viability. Information requirements, as design standards, for the auditorium and platform/stage, and the support facilities, are included. The content covers a wide range of performing arts (classical music, pop/rock, jazz, musicals, dance, Latin) and provides information on each as an art form and the necessities to how performances correctly.

Auditorium Acoustics and Architectural DesignRoutledge

It was not until the beginning of the twentieth century that the physicist Wallace Clement Sabine developed his theory of reverberation, which has remained fundamental to architectural acoustics to this day, and has subsequently been applied to many building types, especially those for the performing arts. Yet the practice of architectural acoustics goes back much further with the impressive designs of the Greeks proving highly influential. This comprehensive book explores the development of acoustics in architectural design from the theatres of Classical Greece, through the early development of opera houses, concert halls and theatres, to the research work of Sabine and his successors and its influence on twentieth- and twenty-first-century buildings. Topics covered include: the fundamentals of acoustics; the influential legacy of the Greeks and Romans; the evolving design of opera houses, theatres and concert halls and, finally, the acoustics of schools, music schools and recital halls.

The Interior Design Business Handbook

Architects' Data

Interior Graphic Standards

A Source Book of Design Reference Standards

Concert Halls by Nagata Acoustics

DIGITAL MEDIA IN WALT DISNEY COMPANY

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 9,500 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.

This publication provides 400 pages of introductory technical guidance for architectural engineers, architects and construction managers interested in the building design process. The process is illustrated with six different building types. Here are the building types discussed: 1. CHILD DEVELOPMENT CENTERS, 2. FIRE STATIONS, 3. LIBRARIES, 4. MEDICAL FACILITIES, 5. THEATRES AND CONCERT HALLS, 6. GOLF COURSE CLUBHOUSES.

HTTPS://WWW.CODEOFCHINA.COM EMAIL:COC@CODEOFCHINA.COM "codeofchina Inc., a part of TransForyou (Beijing) Translation Co., Ltd., is a professional Chinese code translator in China. Now, Codeofchina Inc. is running a professional Chinese code website, www.codeofchina.com. Through this website, Codeofchina Inc. provides English-translated Chinese codes to clients worldwide. About TransForyou TransForyou (Beijing) Translation Co., Ltd., established in 2003, is a reliable language service provider for clients at home and abroad. Since our establishment, TransForyou has been aiming to build up a translation brand with our professional dedicated service. Currently, TransForyou is the director of China Association of Engineering Construction Standardization (CECS), the committee man of Localization Service Committee / Translators Association of China (TAC) and the member of Boya Translation Culture Salon (BTCS); and the field study center of the University of the University of International Business & Economics (UIBE) and Hebei University (HU). In 2016, TransForyou ranked 27th among Asian Language Service Providers by Common Sense Advisory."

A Complete Guide to Profitability

2010 ADA Standards for Accessible Design

Bulletin

Chinese Standard, GB; GB/T; GB; JB; JB/T; YY; HJ; NB; HG; QC; SL; SN; SH; JFF; JJC; CJ; TB; YD; YS; NY; FZ; JG; QB; SJ; SY; DL; AQ; CB; GY; JC; JR; JT

Building Type Basics for Elementary and Secondary Schools

Principles and Practice

The leading guide to acoustics for architects, engineers, and interior designers A widely recognized, comprehensive reference to acoustic principles for all concerned with the built environment, Architectural Acoustics, Second Edition provides design professionals with up-to-date information on basic concepts, acoustical materials, and technologies for controlling wanted or unwanted sound within and around buildings. Written by a team of internationally recognized experts and experienced consultants, this Second Edition covers fundamental acoustic principles, design criteria, acoustical materials, control strategies, and methods for a wide variety of building types, including educational, healthcare, recreational, residential, commercial, industrial, and transportation facilities. Particular attention is given to places for listening and performance such as theaters, churches, concert and recital halls, outdoor arenas, classrooms, multiuse auditoria, libraries, music practice and rehearsal rooms, recording and broadcast studios, sports venues, home theaters, and other spaces that people meet to communicate and enjoy performance. Updated throughout, this edition features: New information on acoustical standards and guidelines for sustainable building design Additional, richly detailed case studies demonstrating real-world applications, including the acclaimed Walt Disney Concert Hall and many other building types Nearly two hundred photos and illustrations that further elucidate specific principles, applications, and techniques New developments in sound reinforcement and audio visual systems and their integration in room design Progress in research and future directions in acoustical modeling With fundamental conceptual understanding of basic acoustical principles provided by Architectural Acoustics, Second Edition, building designers can confidently create aesthetically and aurally pleasing spaces, while avoiding problems that could be very costly, if not impossible, to solve later.

This is an essential aid in the initial design and planning of a project. The relevant building type is located by a comprehensive index and cross reference system, a condensed commentary covers user requirements, planning criteria, basic dimensions and other considerations of function, siting aspect etc. A system of references based on an extensive bibliography supports the text. In every section plans, sections, site layouts, design details and graphs illustrated key aspects of a building type's design. Most illustrations are dimensioned or scaled - the metric system of measurement is used throughout, and the equivalent in feet/inches can easily be read either off a graphic scale on the page or from the built-in conversion table. The illustrations are international in origin and include both well know and less famous designers. Architects Data is primarily a handbook of building types rather than of construction techniques and details. However its treatment of components (such as doors and windows) and of spaces for building services is extremely thorough, since consideration of this data is an essential element of the planning process. The opening pages of basic data on man and his buildings cover critical subjects such as scale, drawing practice, noise, light and space for the same reason. Particular attention has also been paid to the implications of energy conservation, means of escape from fire and the needs of the elderly and the disabled.

This publication may be viewed or downloaded from the ADA website (www.ADA.gov).

A Design Guide

Its Effect Upon Participation and Quality of Work in a Voluntary Educational Program

Interior Graphic and Design Standards

Thirty Years of Acoustical Design for Music Venues and Vineyard-Style Auditoria

ADA 2010 Design Standards

Theatre Buildings

This Design and Development Guide is an essential book for those who are involved in the initiation, planning, design and building of facilities for the various performing arts, from local to metropolitan locations. It includes the stages in the development, decisions to be taken, information requirements, feasibility and advice necessary in the building of this guide provides the background information about the organisation of the performing arts, the prevailing issues, the client and various building types. In the second part, the author deals with the components of design and development, identifying the roles of the client, advisors and consultants, the stages to be achieved, including client's proposal feasibility, the process of briefing, design and building and eventually hand-over and opening night, with a consideration of the building in use. Studies include the assessment of demand, site requirements, initial brief, building design and financial viability. Information requirements, as design standards, for the auditorium and platform/stage, and the support facilities, are included. Separate provision for children and young persons. THE CONTENT COVERS A WIDE RANGE OF PERFORMING ARTS (CLASSICAL MUSIC, POP/ROCK, JAZZ, MUSICALS, DANCE, DRAMA) AND PROVIDES INFORMATION ON EACH AS AN ART FORM AND NECESSITIES TO HOW PERFORMANCES.

Provides reference information and diagrams for furniture and storage equipment in homes, stores, offices, restaurants, hotels, hospitals, libraries, and churches and includes specifications for materials, millwork, hardware, doors, and windows

The new student edition of the definitive reference on architectural interiors Interior Graphic Standards, Student Edition is a carefully edited treatment of the authoritative Interior Graphic Standards Professional Edition. Designed and organized to give students the specific information they require, this is an essential reference for anyone's design basics, computing technologies, fire-resistant construction, fire protection systems, security and communications systems, interior equipment, evidence-based design, and climate considerations. In addition, this second Student Edition offers more material on residential design, is packed with more than 1,300 informative illustrations, understanding the critical material they need for the core classes required by all curriculums. Additional revisions to this edition include: Updated coverage of sustainable design and materials and ADA Standards for Accessible Design Companion website featuring online resources for students Expert advice and details for designing interior retail, hospitality, educational, performance, and museum spaces, as well as existing building interiors Like Interior Graphic Standards Professional Edition, this student edition's Second Edition provides essential specification and detailing information for working inside the structural shell, covering interior partitions and floor systems, updated

Architectural Acoustics

Product catalog - China National Standards & Industry Standards

T?CHN?L?GY STANDARDS IN THE DESIGN, DEVELOPMENT AND MAINTENANCE

GB, GB/T, GBT - Product Catalog, Translated English of Chinese Standard (All national standards GB, GB/T, GBT, GBZ)

Buildings for the Performing Arts

Bulletin - Bureau of Education

This book deals with all the principal building types, ranging from airports, factories and warehouses, offices, shops and hospitals. For each such building type, the basic design requirements and all the principal dimensional data is given.

This visually stunning and data rich text catalogs the design of 32 concert halls by world-renowned acoustician Yasuhisa Toyota and his team at Nagata Acoustics, the firm behind the celebrated Walt Disney Concert Hall, the Hamburg Elbphilharmonie, and numerous others. Alongside architectural drawings and photographs, commentary on the design process and challenges of each hall provides insight for the dedicated listener to appreciate a wide range of internationally beloved concert venues. Summarized acoustical and architectural data for each of the halls will provide valuable reference information to architects and acousticians alike. Following the project anthology is an overview of the history, development, and acoustical features of vineyard- and surround-style concert halls. A broader discussion of design philosophy reveals the methods by which Toyota has guided architects to create world renowned halls. These technical and general discussions give architects the foundation to design for the performing arts, and provide audiences a new insight and perspective to consider the next time they attend a concert.

Thousands of interior design professionals have come to rely on The Interior Design Business Handbook for comprehensive, accessible coverage of the essential procedures, tools, and techniques necessary to manage a successful interior design business. The Fifth Edition of this essential resource has been revised to address the latest trends and changes in the field, with new and updated material on business size and structure, building a brand, client development, social networking and Internet marketing, finances, purchasing, technology and software programs, and other key areas. Complete with more than 75 sample forms and letters, this Fifth Edition is a one-stop resource for all aspects of establishing and running an interior design business--from choosing a location and managing day-to-day operations to growing a business and putting it up for sale. All of the techniques and procedures in the book are rooted in real-world experience and are used daily in successful design firms throughout the United States. Filled with valuable information for solo practices and small firms as well as larger businesses, this book is an indispensable resource for seasoned professionals as well as interior designers who are at the start of their career.

Designing Commercial Interiors

English-translated Chinese standards

Mechanical and Electrical Equipment for Buildings

Human Dimension & Interior Space

Individual Guidance in a C C C Camp

Publications of the National Institute of Standards and Technology ... Catalog

This document provides the comprehensive list of Chinese National Standards and Industry Standards (Total 17,000 standards).

Walt Disney Company (Company) engineers and architects utilize engineering and technology standards in the design, development, and maintenance of its physical infrastructure worldwide. There was a need to improve the methods by which Company standards are organized and retrieved. While the leading commercial information brokers for engineering and technology standards provide standards search engines and online standards catalogs, these search services are poor in supporting standards seekers who have only a general understanding of their information needs because their searches only utilize a standard's document number, title, and keywords as metadata for searching. In order to provide a tool for distributing and retrieving standards in an online environment that fulfilled the needs of Company engineers and architects, the Standards Directory, a digital library and information retrieval system, was developed with two main features in mind: categorization and search. First, the Standards Directory utilizes an engineering and technology taxonomy to provide grouping and classification of standards. Second, the Standards Directory supports various forms of search and improves the overall relevance of search results by, among other things, providing stem word full-text searching and browsing capabilities within disciplines. A study was conducted to investigate the effectiveness of the Standards Directory compared with leading commercial information brokers of engineering and technology standards. The study found that the Standards Directory provided a higher level of relevance of search results as established by end-user relevance judgments made by Company engineers and architects seeking information for their actual information needs. Standards-based engineering, architectural, and other high technology organizations may benefit from the implementation of a Standards Directory as it can increase employee productivity, improve product quality, enhance the accuracy of organizational decisionmaking, and foster organizational learning.

The Association of British Theatre Technicians produced its first guide to the design and planning of theatres in 1972. Revised in 1986, it became the standard reference work for anyone involved in building, refurbishing, or creating a performance space. Theatre Buildings - a design guide is its successor. Written and illustrated by a highly experienced team of international theatre designers and practitioners, it retains the practical approach of the original while extending the scope to take account of the development of new technologies, new forms of presentation, changing expectations, and the economic and social pressures which require every part of the theatre to be as productive as possible. The book takes the reader through the whole process of planning and designing a theatre. It looks in detail at each area of the building: front of house, auditorium, backstage, and administrative offices. It gives specific guidance on sightlines, acoustics, stage engineering, lighting, sound and video, auditorium and stage formats. Aspects such as catering, conference and education use are also covered. The information is supplemented by twenty-eight case studies, selected to provide examples which range in size, style and format and cover new buildings, renovations, conversions, temporary and found space. The studies include Den Norsk, Oslo; The Guthrie Theatre, Minneapolis; The Liceu, Barcelona; Les Bouffes du Nord, Paris; The RSC's Courtyard Theatre in Stratford on Avon; and the MTC Theatre in Melbourne. All have plans and sections drawn to 1:500 scale. The book contains around 100 high quality full colour images as well as over

Planning and Design Data

Building Design Standards

Acoustics in Architectural Design