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Roadside Design Guide May 22 2022 "The Roadside Design Guide presents a synthesis of current information and operating practices related to roadside safety and is written in dual units-metric and U.S. Customary. This book is a guide. It is not a standard, nor is it a design policy. It is intended to use as a resource document from which individual highway agencies can develop standards and policies. Although much of the material in the guide can be considered universal in its application, several recommendations are subjective in nature and may need modification to fit local conditions. However, it is important that significant deviations from the guide be based on operational experience and objective analysis. The 2011 edition of the AASHTO Roadside Design Guide has been updated to include hardware that has met the evaluation criteria contained in the National Cooperative Highway Research Program (NCHRP) Report 350: Recommended Procedures for the Safety Performance Evaluation of Highway Features and begins to detail the most current evaluation criteria contained under the Manual for Assessing Safety Hardware, 2009 (MASH). For the most part, roadside hardware tested and accepted under older guidelines that are no longer applicable has not been excluded in this edition." -- AASHTO website.

Substation Structure Design Guide Apr 20 2022 MOP 113 provides a comprehensive resource for the structural design of outdoor electrical substation structures.

Pressure Vessel Design Manual Nov 15 2021 Pressure vessels are closed containers designed to hold gases or liquids at a pressure substantially different from the ambient pressure. They have a variety of applications in industry, including in oil refineries, nuclear reactors, vehicle airbrake reservoirs, and more. The pressure differential with such vessels is dangerous, and due to the risk of accident and fatality around their use, the design, manufacture, operation and inspection of pressure vessels is regulated by engineering authorities and guided by legal codes and standards. Pressure Vessel Design Manual is a solutions-focused guide to the many problems and technical challenges involved in the design of pressure vessels to match stringent standards and codes. It brings together otherwise scattered information and explanations into one easy-to-use resource to minimize research and take readers from problem to solution in the most direct manner possible. Covers almost all problems that a working pressure vessel designer can expect to face, with 50+ step-by-step design procedures including a wealth of equations, explanations and data Internationally recognized, widely referenced and trusted, with 20+ years of use in over 30 countries making it an accepted industry standard guide Now revised with up-to-date ASME, ASCE and API regulatory code information, and dual unit coverage for increased ease of international use

Urban Street Design Guide Feb 16 2022 The NACTO Urban Street Design Guide shows how streets of every size can be reimagined and reoriented to prioritize safe driving and transit, biking, walking, and public activity. Unlike older, more conservative engineering manuals, this design guide emphasizes the core principle that urban streets are public places and have a larger role to play in communities than solely being conduits for traffic. The well-illustrated guide offers blueprints of street design from multiple perspectives, from the bird's eye view to granular details. Case studies from around the country clearly show how to implement best practices, as well as provide guidance for customizing design applications to a city's unique needs. Urban Street Design Guide outlines five goals and tenets of world-class street design: • Streets are public spaces. Streets play a much larger role in the public life of cities and communities than just thoroughfares for traffic. • Great streets are great for business. Well-designed streets generate higher revenues for businesses and higher values for homeowners. • Design for safety. Traffic engineers can and should design streets where people walking, parking, shopping, bicycling, working, and driving can cross paths safely. • Streets can be changed. Transportation engineers can work flexibly within the building envelope of a street. Many

city streets were created in a different era and need to be reconfigured to meet new needs. • Act now! Implement projects quickly using temporary materials to help inform public decision making. Elaborating on these fundamental principles, the guide offers substantive direction for cities seeking to improve street design to create more inclusive, multi-modal urban environments. It is an exceptional resource for redesigning streets to serve the needs of 21st century cities, whose residents and visitors demand a variety of transportation options, safer streets, and vibrant community life.

Risk Management Series; Design Guide for Improving School Safety in Earthquakes, Floods, and High Winds Feb 25 2020

The Algorithm Design Manual Jun 22 2022 This newly expanded and updated second edition of the best-selling classic continues to take the "mystery" out of designing algorithms, and analyzing their efficacy and efficiency. Expanding on the first edition, the book now serves as the primary textbook of choice for algorithm design courses while maintaining its status as the premier practical reference guide to algorithms for programmers, researchers, and students. The reader-friendly Algorithm Design Manual provides straightforward access to combinatorial algorithms technology, stressing design over analysis. The first part, Techniques, provides accessible instruction on methods for designing and analyzing computer algorithms. The second part, Resources, is intended for browsing and reference, and comprises the catalog of algorithmic resources, implementations and an extensive bibliography. NEW to the second edition: • Doubles the tutorial material and exercises over the first edition • Provides full online support for lecturers, and a completely updated and improved website component with lecture slides, audio and video • Contains a unique catalog identifying the 75 algorithmic problems that arise most often in practice, leading the reader down the right path to solve them • Includes several NEW "war stories" relating experiences from real-world applications • Provides up-to-date links leading to the very best algorithm implementations available in C, C++, and Java

Global Street Design Guide Oct 15 2021 The Global Street Design Guide is a timely resource that sets a global baseline for designing streets and public spaces and redefines the role of streets in a rapidly urbanizing world. The guide will broaden how to measure the success of urban streets to include: access, safety, mobility for all users, environmental quality, economic benefit, public health, and overall quality of life. The first-ever worldwide standards for designing city streets and prioritizing safety, pedestrians, transit, and sustainable mobility are presented in the guide. Participating experts from global cities have helped to develop the principles that organize the guide. The Global Street Design Guide builds off the successful tools and tactics

defined in NACTO's Urban Street Design Guide and Urban Bikeway Design Guide while addressing a variety of street typologies and design elements found in various contexts around the world.

Fatigue and Tribological Properties of Plastics and Elastomers Apr 28 2020 For all practical purposes, the useful life of a plastic component is equal to its fatigue life under conditions of cyclic loading such as those that occur in vibration. Equally important to materials engineers and designers are abrasion, friction and wear—tribological properties. Over 80 generic families are covered including thermoplastics, thermosets, thermoplastic elastomers and rubbers. Neat resins, blends and alloys, plastics with various combinations of fillers, additives and more are covered. Also covers plastics mated to plastics and metals.

Aluminum Construction Manual, Aluminum Formed-sheet Building Sheathing Design Guide Jan 24 2020

Urban Street Stormwater Guide Oct 22 2019 The Urban Street Stormwater Guide begins from the principle that street design can support—or degrade—the urban area's overall environmental health. By incorporating Green Stormwater Infrastructure (GSI) into the right-of-way, cities can manage stormwater and reap the public health, environmental, and aesthetic benefits of street trees, planters, and greenery in the public realm. Building on the successful NACTO urban street guides, the Urban Street Stormwater Guide provides the best practices for the design of GSI along transportation corridors. The state-of-the-art solutions in this guide will assist urban planners and designers, transportation engineers, city officials, ecologists, public works officials, and others interested in the role of the built urban landscape in protecting the climate, water quality, and natural environment.

Approaches to Water Sensitive Urban Design Dec 25 2019 Approaches to Water Sensitive Urban Design: Potential, Design, Ecological Health, Economics, Policies and Community Perceptions covers all aspects on the implementation of sustainable storm water systems for urban and suburban areas whether they are labeled as WSUD, Low Impact Development (LID), Green Infrastructure (GI), Sustainable Urban Drainage Systems (SUDS) or the Sponge City Concept. These systems and approaches are becoming an integral part of developing water sensitive cities as they are considered very capable solutions in addressing issues relating to urbanization, climate change and heat island impacts in dealing with storm water issues. The book is based on research conducted in Australia and around the world, bringing in perspectives in an ecosystems approach, a water quality approach, and a sewer based approach to stormwater, all of which are uniquely covered in this single resource. Presents a holistic examination of the current knowledge on WSUD and storm water, including water quality, hydrology, social impacts, economic impacts, ecosystem health, and implementation guidelines Includes additional global approaches to WSUD, including SUDS, LID, GI and the Sponge City Concept Covers the different perspectives from Australia (ecosystem based), the USA (water quality based) and Europe (sewer based) Addresses storm water management during the

civil construction stage when much of the ecological damage can be done

Urban Bikeway Design Guide, Second Edition Aug 01 2020 NACTO's Urban Bikeway Design Guide quickly emerged as the preeminent resource for designing safe, protected bikeways in cities across the United States. It has been completely re-designed with an even more accessible layout. The Guide offers updated graphic profiles for all of its bicycle facilities, a subsection on bicycle boulevard planning and design, and a survey of materials used for green color in bikeways. The Guide continues to build upon the fast-changing state of the practice at the local level. It responds to and accelerates innovative street design and practice around the nation.

Mechanistic-empirical Pavement Design Guide Dec 05 2020

Manual Lifting Apr 08 2021 Commonly used throughout the world, manual lifting tasks—whether simple or complex—all involve variable loads, postures, and movements. This practical guide discusses how to analyze the intricate lifting function and prevent injury during its execution. Outlining revised NIOSH Lifting Equation (RNLE) methods, the book illustrates their use in assessing manual lifting tasks of varying degrees of difficulty. Using examples to reinforce presented concepts, it explains how RNLE methods can be applied to evaluate single, composite, variable, and sequential lifting tasks. It also explores how to interpret and apply the results according to international standards and guidelines.

The Green Roof Manual Jan 06 2021 Green roofs—the ultimate in sustainable building practices—continue to generate enormous interest and enthusiasm among architects, landscape designers, and urban planners. Increasingly strict stormwater regulations and the appeal of LEED-related projects have also boosted the popularity and desirability of green roofs. Those who want to build green roofs, however, have few resources to guide them. Until now, no book has taken a comprehensive look at how to effectively adapt green-roof technology to the variable and extreme North American climate, and how to design projects that will function and endure as successfully as those in Germany, Switzerland, and other European countries. This book fills the gap by providing an overview of practices and techniques that have been effective in North America. The authors offer options regarding structure, function, horticulture, and logistics, as well as surveys of actual projects and analyses of why they have or haven't succeeded. Approachable and reader-friendly, the manual clearly explains how these complex systems function and how to plan and carry out projects successfully from concept through construction and maintenance. Ideally suited to professionals (including architects, landscape architects, engineers, and designers) and their clients, it brings together key lessons from leaders in the field. Numerous photographs highlight the range of design possibilities and show green roofs both during construction and at various stages of maturity. At last, those seeking basic information about how to design and build green roofs have a concise, authoritative guide to this exciting new technology.

The Integrative Design Guide to Green Building

Aug 25 2022 "The members of 7group and Bill Reed are examples writ large of the kind of leadership that is taking this idea of green building and forming it into reality, by helping change minds, building practice, and design process." —from the Foreword by S. Rick Fedrizzi President, CEO, and Founding Chair, U.S. Green Building Council A whole-building approach to sustainability The integrative design process offers a new path to making better green building decisions and addressing complex issues that threaten living systems. In The Integrative Design Guide to Green Building: Redefining the Practice of Sustainability, 7group's principals and integrative design pioneer Bill Reed introduce design and construction professionals to the concepts of whole building design and whole systems. With integrative thinking that reframes what sustainability means, they provide a how-to guide for architects, designers, engineers, developers, builders, and other professionals on incorporating integrative design into every phase of a project. This practical manual: Explains the philosophy and underpinnings of effective integrative design, addressing systems thinking and building and community design from a whole-living system perspective Details how to implement integrative design from the discovery phase to occupancy, supported by process outlines, itemized tasks, practice examples, case studies, and real-world stories illustrating the nature of this work Explores the deeper understanding of integration that is required to transform architectural practice and our role on the planet This book, both practical and thoughtful, will help you deliver your vision of a sustainable environment. 7group, based in Kutztown, Pennsylvania, includes principals John Boecker, Scot Horst, Tom Keiter, Andrew Lau, Marcus Sheffer, and Brian Toevs, who bring a unique integration of expertise in design, engineering, energy and daylight modeling, materials assessments, commissioning, education, and communications to their work. Internationally recognized thought leaders in the green building movement, they have led countless teams through the practical implementation of integrative design on building projects of all types around the world. 7group also has been directly and deeply involved with the development of the LEED® Green Building Rating System, including experience on more than 100 LEED projects. Scot Horst currently serves as chair of the U.S. Green Building Council's LEED Steering Committee.

Design Engineering Manual Aug 13 2021 Design Engineering Manual offers a practical guide to the key principles of design engineering. It features a compilation of extracts from several books within the range of Design Engineering books in the Elsevier collection. The book is organized into 11 sections. Beginning with a review of the processes of product development and design, the book goes on to describe systematic ways of choosing materials and processes. It details the properties of modern metallic alloys including commercial steels, cast irons, superalloys, titanium alloys, structural intermetallic compounds, and aluminum alloys. The book explains the human/system interface; procedures to assess the risks associated with job and task characteristics; and environmental

factors that may be encountered at work and affect behavior. Product liability and safety rules are discussed. The final section on design techniques introduces the design process from an inventor's perspective to a more formal model called total design. It also deals with the behavior of plastics that influence the application of practical and complex engineering equations and analysis in the design of products. Provides a single-source of critical information to the design engineer, saving time and therefore money on a particular design project. Presents both the fundamentals and advanced topics and also the latest information in key aspects of the design process. Examines all aspects of the design process in one concise and accessible volume.

The Living In Alignment Manual Nov 23 2019 Understand the key components of your Chart so you can start harnessing the power of your unique Human Design. I simplify and explain the foundations of Human Design in an easy to digest 45+ page PDF. In this manual I cover;

- What Human Design is
- How to find your Human Design Chart
- All 5 Human Design Types + Strategies
- Not-Self Theme and Signature
- All Human Design Authorities
- The 6 Profile Lines and the 12 Profile combinations
- The 9 Centers Defined and Undefined PLUS Journalling prompts to support you in the process of uncovering who you are beneath who you have been told to be.

NASA Graphics Standards Manual Feb 28 2023 The NASA Graphics Standards Manual, by Richard Danne and Bruce Blackburn, is a futuristic vision for an agency at the cutting edge of science and exploration. Housed in a special anti-static package, the book features a foreword by Richard Danne, an essay by Christopher Bonanos, scans of the original manual (from Danne's personal copy), reproductions of the original NASA 35mm slide presentation, and scans of the Managers Guide, a follow-up booklet distributed by NASA.

OfficeUS Jul 24 2022 'The OfficeUS Manual' is a guide to day-to-day architectural practice that documents and interrogates the protocols and procedures of architecture offices over the last hundred years. Thoroughly insightful, often humorous, and sometimes stupefying, the Manual combines historical material from large firms and small studios with contemporary reflections by more than 50 architects, artists, and writers concerned with the needs and desires of professional architecture practice today. OFFICEUS, the pavilion for the 2014 International Architecture Exhibition-La Biennale di Venezia, was curated by Eva Franchi Gilabert, Ana Miljacki and Ashley Schafer. The producers were Storefront for Art and Architecture, PRAXIS journal, students from MIT's Department of Architecture and the Knowlton School at The Ohio State University, Leong Leong, Pentagram: Natasha Jen, CASE, Lars Muller, Architizer, and CLOG. 140 illustrations

Aluminum Building Wire Installation Manual and Design Guide Sep 01 2020

Screen Design Manual Sep 13 2021 The Screen Design Manual provides designers of interactive media with a practical working guide for preparing and presenting information that is suitable for both their target groups and the media they are using. It highlights background information and relationships,

clarifying them with examples, and encourages the further development of the language of digital media. In addition to the basics of perception and learning psychology, ergonomics, communication theory, imagery research, and aesthetics, the book also considers design navigation and orientation elements. Guidelines and checklists, along with the comprehensive design of the book, support the transfer of information into practice. Frank Thissen teaches multimedia didactics and information design at the University of Applied Sciences in Stuttgart. For over 10 years he has been developing computer based training. He has worked for international companies such as Siemens AG and SAP AG. His research project explores the role of emotion in e-learning > www.frank-thissen.de

Key Topics:

- Interactive media
- Text for the screen
- Effective use of pictures
- Video, animation, and sound
- Screen layout
- Orientation and navigation
- Interaction
- Emotions and metessages
- Intercultural communication

The Daily Illini Design Guide Mar 08 2021

CDOT Design Guide: Project development manual Dec 17 2021

Design Guide for U.S. Army Reserve Facilities Jul 12 2021

Parks Jan 18 2022 A never-before-seen collection of United States National Park Service maps. This book brings together a collection of over 400 maps produced by the United States National Park Service from 1910 to today. Photographer Brian Kelley has impulsively archived the rarely seen treasures over the past three years, uncovering a design portfolio with little to no credit to their respective designers. The growing collection displays a progressive design approach, from more typographic-driven covers, to the proliferation of duotone print production, culminating in the Unigrad system developed by Italian designer Massimo Vignelli in the 1970s.

Plumbing Design Review Guide Mar 27 2020 The purpose of the Plumbing Design Review Guide is to help the project manager or the responsible project engineer to check for coordination between design disciplines, and to check for errors and omissions or inconsistencies in the Plumbing design, before the construction documents are finalized. This Guide could also be used as a Training Manual, to assist with designer and engineer development. The detailed information related to all phases of Plumbing design can help the designer or engineer to avoid errors or omissions during the design phase. The FREE "Checklist" (available via email) can also be used to track training progress. The Plumbing Design Review Guide includes over (140) pages and spreadsheets that cover many of the design and engineering requirements associated with typical projects. Hyperlinks are provided to help select the topics that are relevant to the project being reviewed.

Designer's Color Manual Jun 30 2020 The eye, the camera's lens, and the computer screen all treat color differently. This important addition to the designer's reference library helps resolve the differences among the numerous media that contemporary designers work with every day. Comprehensive in scope, it brings together key elements of color theory, practice, and application, addressing a wide range of issues specific to graphic design in

both print and digital media. Beyond step-by-step techniques for managing color in modern graphic design practice, Designer's Color Manual also addresses topics which help designers understand color in a variety of disciplines, looking at historical color systems, color in art, and the psychology of color, among dozens of other topics. Author and designer Tom Fraser also takes other graphics-related practices into account -- interior design, digital rendering, packaging and merchandise design - - aiding the designer in mastering the far-reaching effects of color in almost any project. Heavily illustrated with over 1,000 color images, Designer's Color Manual addresses an area that's been gray for too long in the full-color world of contemporary design.

Roadside Design Guide Sep 25 2022

The Berlin Design Guide May 10 2021

Summary: The Berlin Design Guide is a creative city guide, reference book and introduction to urban science rolled into one. It offers behind-the-scenes insights and views of Berlin's design community. Discover the built environment, architecture, art, fashion, product and visual design, then dine and unwind with the creatives of this dynamic city.

The Training Design Manual Jan 30 2023

This workbook and the accompanying online resources provide a one-stop reference manual to designing and delivering a successful training course. Written in a practical and user-friendly style, The Training Design Manual provides both theory and practical exercises; guiding the reader through the total design process from start to finish. Theory and concepts are followed by practical application and a blend of text and graphics appeals to a wide range of learning styles. Accompanying online material includes design templates which the reader can use to record ideas as they progress through the book so that by the end, they will have a complete course design. In addition the website provides activities, examples and further course materials.

Micro-hydro Design Manual Nov 03 2020

Micro-Hydro Design Manual has grown from Intermediate Technology's field experiences with micro-hydro installations and covers operation and maintenance, commissioning, electrical power, induction generators, electronic controllers, management, and energy surveys. There is an increasing need in many countries for power supplies to rural areas, partly to support industries, and partly to provide illumination at night. Government authorities are faced with the very high costs of extending electricity grids. Often micro-hydro provides an economic alternative to the grid. This is because independent micro-hydro schemes save on the cost of grid transmission lines, and because grid extension schemes often have very expensive equipment and staff costs. In contrast, micro-hydro schemes can be designed and built by local staff and smaller organizations following less strict regulations and using 'off-the-shelf' components or locally made machinery.

Engineering Design Guide Oct 27 2022

Design Guide for Piles Using Locally Produced Steel H-Section Feb 04 2021

The Design for Everything Manual Nov 27 2022 This concise and readable manual is a useful resource for anyone interested in the design of engineered products and equipment.

The Design for Everything Manual integrates a wide range of "design for X" topics such as user-centered design, efficient design, design for manufacture, and coordinated product and process design into a unified "Design for Everything" approach that is easily understood and used regardless of technical background or training. Over the years, a wealth of practical design knowledge has been learned about how to achieve good design. This knowledge is captured by four fundamental rules of good design: the rule of needs, the rule of clarity, the rule of simplicity, and the rule of safety. Good design is achieved by applying these rules in a systematic and disciplined manner to the critical choices that define the design. The manual is derived from notes that the author developed over many years of teaching a course on "Design for X" in the Master of Product Design and Development Program at Northwestern University, Evanston, Illinois. "Design for X" (DFX for short) is a label applied to a large collection of design methods (e.g., Design for Assembly, Lean Design) and design guidelines that address particular design issues. The Design for Everything Manual focuses on the principles and practices that underlie the DFX methods rather than on the methods themselves. It covers the same material and addresses the same spectrum of concerns, but in a simpler and more integrated fashion. Design for Everything is a strategic design approach that is of value to those studying, teaching, and practicing design across a wide range of disciplines. Design and manufacturing executives, product managers and project managers, and other high-level decision makers can use the manual to quickly learn how to achieve good design. Experienced design engineers and industrial designers can use it as a handy reference. Business students and engineering students can use it as a practical guide for new product development courses and senior design projects. Manufacturing companies can use it to develop a "common language" and "shared vision" for good design. Ultimately, all designers can use it as a guiding light for achieving the elusive goal of "doing it right the first time."

A Designer's Research Manual Mar 20 2022 Doing research can make all the difference between a great design and a good design. By engaging in competitive intelligence, customer profiling, color and trend forecasting, etc.,

designers are able to bring something to the table that reflects a commercial value for the client beyond a well-crafted logo or brochure. Although scientific and analytical in nature, research is the basis of all good design work. This book provides a comprehensive manual for designers on what design research is, why it is necessary, how to do research, and how to apply it to design work.

Street Design Manual May 29 2020 "The Street Design Manual is New York City's comprehensive resource on street design guidelines, policies, and processes. It aggregates a broad range of resources--from nationally recognized engineering and design guidelines and standards to federal, state, and local laws, rules, and regulations--to provide information on treatments that are allowed and encouraged on New York City streets. The Manual's intended audience is diverse, consisting of design professionals, city agencies and officials, community groups, and private developers."--Introduction.

Design Elements Jun 10 2021 The graphic design equivalent to Strunk & White's *The Elements of Style* This book is simply the most compact and lucid handbook available outlining the basic principles of layout, typography, color usage, and space. Being a creative designer is often about coming up with unique design solutions. Unfortunately, when the basic rules of design are ignored in an effort to be distinctive, design becomes useless. In language, a departure from the rules is only appreciated as great literature if recognition of the rules underlies the text. Graphic design is a "visual language," and brilliance is recognized in designers whose work seems to break all the rules, yet communicates its messages clearly. This book is a fun and accessible handbook that presents the fundamentals of design in lists, tips, brief text, and examples. Chapters include Graphic Design: What It Is; What Are They and What Do They Do?; 20 Basic Rules of Good Design; Form and Space-The Basics; Color Fundamentals; Choosing and Using Type; The World of Imagery; Putting it All Together? Essential Layout Concepts; The Right Design Choices: 20 Reminders for Working Designers; and Breaking the Rules: When and Why to Challenge all the Rules of this Book.

The Data Science Design Manual Oct 03 2020 This engaging and clearly written

textbook/reference provides a must-have introduction to the rapidly emerging interdisciplinary field of data science. It focuses on the principles fundamental to becoming a good data scientist and the key skills needed to build systems for collecting, analyzing, and interpreting data. The Data Science Design Manual is a source of practical insights that highlights what really matters in analyzing data, and provides an intuitive understanding of how these core concepts can be used. The book does not emphasize any particular programming language or suite of data-analysis tools, focusing instead on high-level discussion of important design principles. This easy-to-read text ideally serves the needs of undergraduate and early graduate students embarking on an "Introduction to Data Science" course. It reveals how this discipline sits at the intersection of statistics, computer science, and machine learning, with a distinct heft and character of its own. Practitioners in these and related fields will find this book perfect for self-study as well. Additional learning tools: Contains "War Stories," offering perspectives on how data science applies in the real world Includes "Homework Problems," providing a wide range of exercises and projects for self-study Provides a complete set of lecture slides and online video lectures at www.data-manual.com Provides "Take-Home Lessons," emphasizing the big-picture concepts to learn from each chapter Recommends exciting "Kaggle Challenges" from the online platform Kaggle Highlights "False Starts," revealing the subtle reasons why certain approaches fail Offers examples taken from the data science television show "The Quant Shop" (www.quant-shop.com) *Manuals Combined: DoD Security Engineering Facilities Planning; Design Guide For Physical Security Of Buildings; Antiterrorism Standards For Buildings And Specifications For Active Vehicle Barriers* Dec 29 2022 Over 1,600 total pages Application and Use: Commanders, security and antiterrorism personnel, planners, and other members of project planning teams will use this to establish project specific design criteria for DoD facilities, estimate the costs for implementing those criteria, and evaluating both the design criteria and the options for implementing it. The design criteria and costs will be incorporated into project programming documents.