

### Smacna 2005 Free Edition

The leading green building reference, updated with the latest advances in the field Sustainable Construction is the leading reference for the design, construction, and operation of high performance green buildings. With broad coverage including architecture, engineering, and construction, this book nevertheless delivers detailed information on all aspects of the green building process, from materials selection to building systems and more. This new fourth edition has been updated to reflect the latest codes and standards, including LEED v4, and includes new coverage of carbon accounting. The discussion has been updated to align with the current thinking on economics, climate change, net zero buildings, and more, with contributions by leaders in the field that illustrate the most recent shifts in thinking and practice. Ancillary materials including an instructor's manual and PowerPoint presentations for each chapter help bring this clear and up-to-date information into the classroom, making this book a valuable reference for working construction professionals. Also, Interactive graphics found throughout the course help activate the content and highlight key concepts for students. Sustainable construction has gone mainstream, and will one day be the industry norm. This book provides a comprehensive reference to all aspects of a project to show you how green building concepts and principles apply throughout the design and construction process. Get up to date on the latest green building codes and standards Learn about the newest technology in green building materials Adopt the best practices in procurement and delivery systems Apply sustainability concepts to all aspects of construction and design Green buildings operate at a very high level of efficiency, which is made possible only by careful consideration every step of the way. Appropriate land use, landscaping, construction materials, siting, water use, and more all play a role in a structure's ultimate carbon footprint. Sustainable Construction provides clear guidance for all aspects of green building, including the most recent advances and the latest technology.

To be a great superintendent, you need training. Without this, you may become defensive, learn to accept waste and low standards, or even espouse false concepts that will lead to certain failure. However, with proper fundamental training, learning from the best builders throughout history, and effectively using the modern concepts of lean, we can guide superintendents to have the best trained role in construction. Right now in our industry, project managers and project engineers are better trained, better paid, and are becoming leaders of the entire team. The positions of superintendents and project managers should be equal, but to be equal, we need to step up and take our place as the driving force of the project. This book will help you to do that and bring respect back to field positions everywhere. Before writing Elevating Construction Superintendents - The Art of the Builder, I had never found a book available for the art and form of being a superintendent. Yes, there are books about lean; yes, there are books about construction management; and yes, there are books about the skills of a superintendent, but there are none that cover the art of the builder in construction and the back-to-basics fundamental attributes of a true leader in the field. This is the first revision of the book we need and want for our wonderful builders in the field of construction. This book is filled with principles and actionable steps for assistant superintendents. I invite you to learn these, take massive action, and implement each step one-by-one. Please keep driving until everything on your project brings you joy. That is the measure of success. Expect more - Step up - Let's go

NEHRP Recommended Provisions (National Earthquake Hazards Reduction Program) for Seismic Regulations for New Buildings and Other Structures: Commentary

Residential Duct Systems - Manual D

Load Calculation Applications Manual (I-P Edition)

Code and Commentary

California Certified Access Specialist Program (CASp) Review and Guide

Annotation This book provides a thorough introduction and a practical guide to the principles and characteristics of controls, and how to apply them in the use, selection, specification and design of control systems.

CALIFORNIA CERTIFIED ACCESS SPECIALIST PROGRAM REVIEW & GUIDEAn Invaluable Aid For Exam PreparationCompiled By: Irvine Carrillo a CASp & Licensd ArchitectPublished and Distributed By: Builder's Book, Inc. BookstoreFrom Licensed Architect Irvine Carrillo:This guide represents countless hours of my personal hard work. I amassed the information contained in this document during my own journey to passing the CASp Exam. I was able to pass on my first try, and I hope that it will be an invaluable aid during your studies.The guide has been organized into major chapters representing the various codes, laws, and regulations. Each item is organized numerically and in the chronological order as it appears on the reference standards.This format will allow you to look up items with greater efficiency.Major Chapters Covered in this Study Guide:¿ ACCESS PROVISIONS AND DEFINITIONS¿ CASP'S IN CA¿ CRASCA¿ FHA¿ SECTION 504 AND SECTION 508¿ SECTION 4550¿ SECTION 11135 - 11139.7¿

STATE AND FEDERAL ACCESSIBILITY STANDARDS¿ TITLE II FEDERAL GUIDELINES¿ TITLE III FEDERAL GUIDELINES¿ US ACCESS BOARD

Sustainable Construction

Developing Lean Leaders at All Levels

Sheet Metal, Piping and Plumbing

USGBC LEED Green Associate Study Guide

IAQ Guidelines for Occupied Buildings Under Construction 2nd Ed

**2012 Reprint of 1959 Edition. Exact facsimile of the original edition, not reproduced with Optical Recognition Software. This manual is written especially to enable pipefitters to quickly solve problems involving pipe bending, layout or installation, either in shop or in the field. This second edition has 126 pages of additional material than published in the previous edition of 1953. A large part of the book is taken directly from the author's original tables which he has developed over a long period of time, as a result of his 35 years' experience as a pipefitter. These tables eliminate the necessity for making lengthy calculations by giving immediate answers to all kinds of pipe fitting problems. Information on: Pipe Bending, Offsets, Mitered Joints, Standard Pipe Dimensions and Thread Data, Screwed Fittings, Valves, Solder Joint Fittings, Plastic Pipe, Sheet Metal Data, Properties of Steam, Melting Points, Conversion Factors and a Dictionary Of Terms.**

**"This study guide is a resource to help you prepare for the LEED Green Associate Examination. It summarizes the critical points of green design, construction, and operations. To help you master its content, the guide has been packaged with the Green Building and LEED Core Concepts Guide, one of the reference documents for the LEED Green Associate Exam. Within each category of the guide, you will find a variety of study tools, including category reviews, review questions and worksheets, learning activities, and practice questions"--P. 1.**

**The Lean Builder: A Builder's Guide to Applying Lean Tools in the Field**

**Guidelines for Mechanical Systems 3rd Ed**

**HVAC Duct Construction Standards - Metal and Flexible 3rd Ed**

**Fundamentals of HVAC Control Systems**

**Architectural Sheet Metal Manual**

For the most current mechanical codes that address the design and installation of the most current mechanical systems, use the 2015 INTERNATIONAL MECHANICAL CODE SOFT COVER. Designed to provide comprehensive regulations for mechanical systems and equipment, it includes coverage of HVAC, exhaust systems, chimneys and vents, ducts, appliances, boilers, water heaters, refrigerators, hydronic piping, and solar systems. This valuable reference uses prescriptive- and performance- related provisions to establish minimum regulations for a variety of systems. This updated code includes information on condensate pumps, and the ventilation system for enclosed parking garages.

Specifically designed as an introduction to the exciting world of engineering, ENGINEERING FUNDAMENTALS: AN INTRODUCTION TO ENGINEERING encourages students to become engineers and prepares them with a solid foundation in the fundamental principles and physical laws. The book begins with a discovery of what engineers do as well as an inside look into the various areas of specialization. An explanation on good study habits and what it takes to succeed is included as well as an introduction to design and problem solving, communication, and ethics. Once this foundation is established, the book moves on to the basic physical concepts and laws that students will encounter regularly. The framework of this text teaches students that engineers apply physical and chemical laws and principles as well as mathematics to design, test, and supervise the production of millions of parts, products, and services that people use every day. By gaining problem solving skills and an understanding of fundamental principles, students are on their way to becoming analytical, detail-oriented, and creative engineers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Elevating Construction Superintendents

The Choosing by Advantages Decisionmaking System

Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems 5th Ed

Modern Refridgeration and Air Conditioning

Fibrous Glass Duct Construction Standards 7th Ed

**Third Printing, incorporating errata, Supplement 1, and expanded commentary, 2013.**

**The Third Edition of ANSI/ACCA Manual D is the Air Conditioning Contractorsof America procedure for sizing residential duct systems. This procedureuses Manual J (ANSI/ACCA, Eighth Edition) heating and cooling loads todetermine space air delivery requirements. This procedure matches duct system resistance (pressure drop) to blower performance (as defined by manufacturer's blower performance tables). This assures that appropriate airflow is delivered toall rooms and spaces; and that system airflow is compatible with the operatingrange of primary equipment. The capabilities and sensitivities of this procedureare compatible with single-zone systems, and multi-zone (air zoned) systems. The primary equipment can have a multi-speed blower (PSC motor), or avariable-speed blower (ECM or constant torque motor, or a true variable speed motor).Edition Three, Version 2.50 of Manual D (D3) specifically identifiesnormative requirements, and specifically identifies related informative material.**

**International Plumbing Code 2009**

**Moisture Control Guidance for Building Design, Construction and Maintenance**

**Ohm's Law, Electrical Math and Voltage Drop Calculations**

**2018 International Mechanical Code, Loose-Leaf Version**

**HVAC Fundamentals**

"This manual focuses on the calculation of cooling and heating loads for commercial buildings. The heat balance method (HBM) and radiant time series method (RTSM) (as well as how to implement these methods) are discussed. Heat transfer processes and their analysis, psychrometrics, and heating load calculations are also considered"--

The comprehensive guide to construction tolerances, newly revised and updated How much may a steel frame be out of plumb? What are the expected variations of a precast concrete panel? What is required to successfully detail finish materials on masonry? Updating and expanding on its popular first edition, the Handbook of Construction Tolerances, Second Edition remains the only comprehensive reference to the thousands of industry standard tolerances for the manufacture, fabrication, and installation of construction materials and components-- including all-important accumulated dimensional variations. Covering new materials and techniques developed since the book was first published, the Second Edition of this easy-to-use reference features: \* More than 100 drawings illustrating the tolerance concepts \* New sections on measuring compliance with tolerance standards; right-of-way construction; autoclaved aerated concrete; tilt-up concrete panels; interior stone wall cladding; structural insulated panels; decorative architectural glass; laminated architectural flat glass and bent glass \* New guidelines on how to incorporate tolerance requirements in drawings and specifications \* New information on how to apply tolerance information during contract administration With the Handbook, architects, engineers, contractors, interior designers, lawyers, and others involved in the construction industry will be armed with the information they need to design and detail more accurately, write better specifications, establish normal practice and standards of care, supervise construction, settle worksite disputes, and save time and money at every stage of building.

Engineering Fundamentals: An Introduction to Engineering, SI Edition

Soares Book on Grounding and Bonding, NEC-2020

HVAC Air Duct Leakage Test Manual 2nd Ed

Third Edition, Version 2. 50

HVAC Systems - Applications 2nd Ed

"A member of the International Code Family"--Cover.

Modern Refrigeration and Air Conditioning provides an excellent blend of theory with job-qualifying skills, making it a leader in the refrigeration and air conditioning field! This comprehensive text teaches both fundamental principles and the service techniques needed to diagnose and remedy HVAC problems. Modern Refrigeration and Air Conditioning contains the most recent information and advances in the field needed to prepare the technician for success in today's world. This edition includes up-to-date material on EPA rules and regulations covering refrigerant recovery, recycling, and reclaiming. Both students and practicing technicians will benefit from the comprehensive approach of this text, which provides a solid and thorough knowledge of all aspects of refrigeration and air conditioning.

Seismic Restraint Manual

2015 International Mechanical Code

Home Builder's Guide to Coastal Construction - Technical Fact Sheet Series

A Practical Guide

This master volume covers the full range of HVAC systems used in today's facilities. Comprehensive in scope, the text is intended to provide the reader with a clear understanding of how HVAC systems operate, as well as how to select the right system and system components to achieve optimum performance and efficiency for a particular application. You'll learn the specific ways in which each system, subsystem or component contributes to providing the desired indoor environment, as well as what factors have an impact on energy conservation, indoor air quality and cost. Examined in detail are compressors, water chillers, fans and fan drives, air distribution and variable air volume, pumps and water distribution, controls and their components, heat recovery, and energy conservation strategies. Also covered are heat flow fundamentals, as well as heat flow calculations used in selecting equipment and determining system operating performance and costs.

First published in 2006. Clear, practical and comprehensive, this mechanical estimating manual provides an indispensable resource for contractors, estimators, owners and anyone involved with estimating mechanical costs on construction projects, including a wealth of labor and price data, formulas, charts and graphs.

Covering timeproven methodologies and procedures, it offers the user a full range of readytouse forms, detailed estimating guidelines, and numerous completed examples. You'll learn from leading experts how to produce complete and accurate sheet metal, piping and plumbing estimates both quickly and easily. The manual will also be of value to supervisors, mechanics, builders, general contractors, engineers and architects for use in planning and scheduling work, budget estimating, cost control, cost accounting, checking change orders and various other aspects of mechanical estimating.

Green Building Design and Delivery

Second Expanded Edition

Asce 7-98

Guide for Free Standing Steel Stack Construction 3rd Ed

Minimum Design Loads for Buildings and Other Structures

In Developing Lean Leaders at all Levels we build on the theory in the original book, The Toyota Way to Lean Leadership, and answer the questions: How can I apply this in my organization? What concrete actions can I take to begin the journey of becoming a lean leader? How can I spread this learning to all parts of the organization? What critical tools are needed to turn the theory to practice? This book adds examples from over twenty years of experience by Dr. Liker in working with companies outside of Toyota. The book treats you as a student who will be actively engaged in developing lean leader skills as you read. It acts as a tutorial for beginning the journey.

Choosing By Advantages is a set of concepts and methods designed to make decisionmaking more effective for organizations, communities, and individuals. The system is particularly useful for strategic planners, engineers, consultants, and managers, though anyone, from families to the largest firms, will find the concepts valuable and simple to follow.

Mechanical Estimating Manual

Pipefitters Handbook

HVAC Duct Systems Inspection Guide 3rd Ed

Handbook of Construction Tolerances

Round Industrial Duct Construction Standards 3rd Ed. 2013

The ultimate guide to the 2009 International Plumbing Code (IPC), this is one resource you shouldn't be without! Staying true to the formula that has made the International Code Council's Code & Commentary series so successful, this book leads readers through the code's text, tables, and figures, and follows up each section with a detailed commentary. This commentary provides a unique opportunity to get an in-depth glimpse of the regulations in action; it covers the code's implications, effective applications, as well as the potential consequences that may arise if not followed properly. A valuable resource for people from a variety of professional backgrounds, from code officials and construction workers to building contractors and plumbers, it will take your knowledge of the 2009 IPC to the next level. Check out our app, DEWALT Mobile Pro(tm). This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit dewalt.com/mobilepro.

HVAC Duct Construction Standards - Metal and Flexible 3rd EdSheet Metal & Air ConditioningRound Industrial Duct Construction Standards 3rd Ed. 2013Sheet Metal & Air ConditioningIAQ Guidelines for Occupied Buildings Under Construction 2nd EdSheet Metal & Air ConditioningHVAC Systems Duct DesignSheet Metal & Air ConditioningArchitectural Sheet Metal ManualSheet Metal & Air ConditioningHVAC Duct Systems Inspection Guide 3rd EdFibrous Glass Duct Construction Standards 7th EdThe Lean Builder: A Builder's Guide to Applying Lean Tools in the FieldLulu.comHVAC Air Duct Leakage Test Manual 2nd EdEngineering Fundamentals: An Introduction to Engineering, SI EditionCengage Learning

HVAC Systems Duct Design

A Principle Based Leadership Guide for Assistant Supers and Superintendents in Construction

The NRCA Waterproofing Manual

Energy Systems Analysis and Management 1st Ed