

# Structural Steel Design McCormac 4th Edition

RIGHT HERE, WE HAVE COUNTLESS BOOKS **STRUCTURAL STEEL DESIGN MCCORMAC 4TH EDITION** AND COLLECTIONS TO CHECK OUT. WE ADDITIONALLY ALLOW VARIANT TYPES AND AFTERWARD TYPE OF THE BOOKS TO BROWSE. THE GOOD ENOUGH BOOK, FICTION, HISTORY, NOVEL, SCIENTIFIC RESEARCH, AS COMPETENTLY AS VARIOUS OTHER SORTS OF BOOKS ARE READILY MANAGEABLE HERE.

AS THIS STRUCTURAL STEEL DESIGN MCCORMAC 4TH EDITION , IT ENDS TAKING PLACE SWINE ONE OF THE FAVORED EBOOK STRUCTURAL STEEL DESIGN MCCORMAC 4TH EDITION COLLECTIONS THAT WE HAVE. THIS IS WHY YOU REMAIN IN THE BEST WEBSITE TO LOOK THE UNBELIEVABLE BOOKS TO HAVE.

*STRUCTURAL STEEL DESIGN* - JACK C. MCCORMAC 2012  
STRUCTURAL STEEL DESIGN, 5E, IS IDEAL FOR UNDERGRADUATE COURSES IN STEEL DESIGN. IT IS ALSO USEFUL AS A REFERENCE FOR CIVIL AND ENVIRONMENTAL ENGINEERING PROFESSIONALS. THIS BEST SELLING TEXT HAS BEEN FULLY UPDATED TO CONFORM TO THE LATEST AMERICAN MANUAL OF STEEL CONSTRUCTION. THE MATERIAL IS PRESENTED IN AN EASY-TO-READ READER-FRIENDLY STYLE.

**FUNDAMENTALS OF STRUCTURAL DESIGN: STEEL, CONCRETE, AND TIMBER** - LOUIS A. HILL 1975  
FOR STUDENTS WHO HAVE COMPLETED COURSES IN STATICS AND MECHANICS OF SOLIDS; ALSO USEFUL AS A REFERENCE WORK FOR PRACTICING

ENGINEERS AND ARCHITECTS.

**DESIGN OF REINFORCED CONCRETE** - JACK C. MCCORMAC 2005  
PUBLISHER DESCRIPTION

**DESIGN OF HIGHWAY BRIDGES** - RICHARD M. BARKER 2013-02-04  
UP-TO-DATE COVERAGE OF BRIDGE DESIGN AND ANALYSIS REVISED TO REFLECT THE FIFTH EDITION OF THE AASHTO LRFD SPECIFICATIONS  
**DESIGN OF HIGHWAY BRIDGES**, THIRD EDITION OFFERS DETAILED COVERAGE OF ENGINEERING BASICS FOR THE DESIGN OF SHORT- AND MEDIUM-SPAN BRIDGES. REVISED TO CONFORM WITH THE LATEST FIFTH EDITION OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS, IT IS AN EXCELLENT ENGINEERING RESOURCE FOR

BOTH PROFESSIONALS AND STUDENTS. THIS UPDATED EDITION HAS BEEN REORGANIZED THROUGHOUT, SPREADING THE MATERIAL INTO TWENTY SHORTER, MORE FOCUSED CHAPTERS THAT MAKE INFORMATION EVEN EASIER TO FIND AND NAVIGATE. IT ALSO FEATURES: EXPANDED COVERAGE OF COMPUTER MODELING, CALIBRATION OF SERVICE LIMIT STATES, RIGID METHOD SYSTEM ANALYSIS, AND CONCRETE SHEAR INFORMATION ON KEY BRIDGE TYPES, SELECTION PRINCIPLES, AND AESTHETIC ISSUES DOZENS OF WORKED PROBLEMS THAT ALLOW TECHNIQUES TO BE APPLIED TO REAL-WORLD PROBLEMS AND DESIGN SPECIFICATIONS A NEW COLOR INSERT OF BRIDGE PHOTOGRAPHS, INCLUDING EXAMPLES OF HISTORICAL AND AESTHETIC SIGNIFICANCE NEW COVERAGE OF THE "GREEN" ASPECTS OF RECYCLED STEEL SELECTED REFERENCES FOR FURTHER STUDY FROM GAINING A QUICK FAMILIARITY WITH THE AASHTO LRFD SPECIFICATIONS TO SEEKING BROADER GUIDANCE ON HIGHWAY BRIDGE DESIGN DESIGN OF HIGHWAY BRIDGES IS THE ONE-STOP, READY REFERENCE THAT PUTS INFORMATION AT YOUR FINGERTIPS, WHILE ALSO SERVING AS AN EXCELLENT STUDY GUIDE AND REFERENCE FOR THE U.S. PROFESSIONAL ENGINEERING EXAMINATION.

*CONCRETE STRUCTURES, PART-I -*  
ZAHID AHMAD SIDDIQI 2020-02-01

THIS BOOK IS PREPARED ACCORDING TO THE ACI CODE 2019 FOR BUILDINGS AND AASHTO LRFD SPECIFICATIONS FOR BRIDGES 2007. THE UNITS USED

THROUGHOUT THE PRESENTATION ARE THE SI UNITS, HOWEVER, THE EXPRESSIONS AND EXAMPLES ARE ALSO GIVEN IN US CUSTOMARY UNITS IN THE STARTING CHAPTERS TO KEEP CONTINUITY WITH THE TRADITIONAL SYSTEM OF UNITS. IT IS TRIED THAT THE THREE MAIN PHASES OF STRUCTURAL DESIGN, NAMELY LOAD DETERMINATION, DESIGN CALCULATIONS AND DETAILING ARE INTRODUCED TO THE BEGINNER. THIS BOOK IS USEFUL WITH THE 2ND PART OF THE SAME BOOK. THE COMMENTS ON THE PREVIOUS EDITIONS OF THE BOOK SENT BY COLLEAGUES, FELLOW ENGINEERS AND STUDENTS ARE INCORPORATED IN THIS EDITION. ALL PERSONS WHO CONTRIBUTED IN THIS REGARD ARE GREATLY ACKNOWLEDGED. SUGGESTIONS FOR FURTHER IMPROVEMENT OF THE PRESENTATION WILL BE APPRECIATED AND WILL BE INCORPORATED IN THE FUTURE EDITIONS.

APPLIED STRUCTURAL STEEL DESIGN -  
LEONARD SPIEGEL 2002

WRITTEN SPECIFICALLY FOR THE ENGINEERING TECHNOLOGY/TECHNICIAN LEVEL, THIS BOOK OFFERS A STRAIGHT-FORWARD, ELEMENTARY, NONCALCULUS, PRACTICAL PROBLEM-SOLVING APPROACH TO THE DESIGN, ANALYSIS, AND DETAILING OF STRUCTURAL STEEL MEMBERS. USING NUMEROUS EXAMPLE PROBLEMS AND A STEP-BY-STEP SOLUTION FORMAT, IT FOCUSES ON THE CLASSICAL AND TRADITIONAL ASD (ALLOWABLE STRESS DESIGN) METHOD OF STRUCTURAL STEEL DESIGN (THE METHOD STILL MOST USED TODAY) AND

INTRODUCES THE LRFD (LOAD AND RESISTANCE FACTOR DESIGN) METHOD (FAST-BECOMING THE METHOD OF CHOICE FOR THE FUTURE).  
INTRODUCTION TO STEEL STRUCTURES. TENSION MEMBERS. AXIALLY LOADED COMPRESSION MEMBERS. BEAMS. SPECIAL BEAMS. BEAM-COLUMNS. BOLTED CONNECTIONS. WELDED CONNECTIONS. OPEN WEB STEEL JOISTS AND METAL DECK. CONTINUOUS CONSTRUCTION AND PLASTIC DESIGN. STRUCTURAL STEEL DETAILING: BEAMS. STRUCTURAL STEEL DETAILING: COLUMNS. LRFD: STRUCTURAL MEMBERS. LRFD: CONNECTIONS. FOR TECHNICIANS, TECHNOLOGISTS, ENGINEERS, AND ARCHITECTS PREPARING FOR STATE LICENSING EXAMINATIONS FOR PROFESSIONAL REGISTRATION.  
**STRUCTURAL DESIGN FOR THE STAGE** - Alys Holden 2015-02-20  
THE FOLLOW-UP TO THE 2000 GOLDEN PEN AWARD-WINNING **STRUCTURAL DESIGN FOR THE STAGE**, THIS SECOND EDITION PROVIDES THE THEATER TECHNICIAN WITH A FOUNDATION IN STRUCTURAL DESIGN, ALLOWING AN INTUITIVE UNDERSTANDING OF "WHY SETS STAND UP." IT INTRODUCES THE BASICS OF STATICS AND THE STUDY OF THE STRENGTH OF MATERIALS AS THEY APPLY TO TYPICAL SCENERY, EMPHASIZING CONSERVATIVE APPROACHES TO REAL WORLD EXAMPLES. THIS IS AN INVALUABLE REFERENCE FOR ANY SERIOUS THEATRE TECHNICIAN THROUGHOUT THEIR CAREER, FROM THE INITIAL STUDY OF

THE FUNDAMENTAL CONCEPTS, TO THE DAY-TO-DAY USE OF THE TECHNIQUES AND REFERENCE MATERIALS. NOW IN HARDCOVER, WITH NEARLY 200 NEW PAGES OF CONTENT, IT HAS BEEN COMPLETELY REVISED AND UPDATED TO REFLECT THE LATEST RECOMMENDED PRACTICES OF THE LUMBER AND STEEL INDUSTRIES, WHILE ALSO INCLUDING ALUMINUM DESIGN FOR THE FIRST TIME.  
**STRUCTURAL STEELWORK** - DENNIS LAM 2018-10-08  
COMPLETELY REVISED AND UPDATED, THIS FOURTH EDITION OF **STRUCTURAL STEELWORK: DESIGN TO LIMIT STATE THEORY** DESCRIBES THE DESIGN THEORY AND CODE REQUIREMENTS FOR COMMON STRUCTURES, CONNECTIONS, ELEMENTS, AND FRAMES. IT PROVIDES A COMPREHENSIVE INTRODUCTION TO STRUCTURAL STEELWORK DESIGN WITH DETAILED EXPLANATIONS OF THE PRINCIPLES UNDERLYING STEEL DESIGN. SEE WHAT'S IN THE FOURTH EDITION: ALL CHAPTERS UPDATED AND REARRANGED TO COMPLY WITH EUROCODE 3 COMPLIANT WITH THE OTHER EUROCODES COVERAGE OF BOTH UK AND SINGAPORE NATIONAL ANNEXES ILLUSTRATED WITH FULLY WORKED EXAMPLES AND PRACTICE PROBLEMS THE FOURTH EDITION OF AN ESTABLISHED AND POPULAR TEXT, THE BOOK PROVIDES GUIDANCE FOR STUDENTS OF STRUCTURAL AND CIVIL ENGINEERING AND IS ALSO SUFFICIENTLY INFORMATIVE FOR PRACTISING ENGINEERS AND ARCHITECTS WHO NEED AN INTRODUCTION TO THE EUROCODES.  
*STRUCTURAL STEEL DESIGN* - JACK C.

McCORMAC 1989

**THE CIVIL ENGINEERING HANDBOOK -**  
W.F. CHEN 2002-08-29

FIRST PUBLISHED IN 1995, THE AWARD-WINNING CIVIL ENGINEERING HANDBOOK SOON BECAME KNOWN AS THE FIELD'S DEFINITIVE REFERENCE. TO RETAIN ITS STANDING AS A COMPLETE, AUTHORITATIVE RESOURCE, THE EDITORS HAVE INCORPORATED INTO THIS EDITION THE MANY CHANGES IN TECHNIQUES, TOOLS, AND MATERIALS THAT OVER THE LAST SEVEN YEARS HAVE FOUND THEIR WAY INTO CIVIL ENGINEERING RESEARCH AND PRACTICE. THE CIVIL ENGINEERING HANDBOOK, SECOND EDITION IS MORE COMPREHENSIVE THAN EVER. YOU'LL FIND NEW, UPDATED, AND EXPANDED COVERAGE IN EVERY SECTION. IN FACT, MORE THAN 1/3 OF THE HANDBOOK IS NEW OR SUBSTANTIALLY REVISED. IN PARTICULAR YOU'LL FIND INCREASED FOCUS ON COMPUTING REFLECTING THE RAPID ADVANCES IN COMPUTER TECHNOLOGY THAT HAS REVOLUTIONIZED MANY ASPECTS OF CIVIL ENGINEERING. YOU'LL USE IT AS A SURVEY OF THE FIELD, YOU'LL USE IT TO EXPLORE A PARTICULAR SUBJECT, BUT MOST OF ALL YOU'LL USE THE CIVIL ENGINEERING HANDBOOK TO ANSWER THE PROBLEMS, QUESTIONS, AND CONUNDRUMS YOU ENCOUNTER IN PRACTICE.

**DESIGN OF REINFORCED CONCRETE -**  
JACK C. McCORMAC 1998-01-15  
THE FOURTH EDITION OF McCORMAC'S BESTSELLING TEXTBOOK, DESIGN OF

REINFORCED CONCRETE, CONTINUES THE SUCCESSFUL TRADITION OF EARLIER EDITIONS BY INTRODUCING THE FUNDAMENTALS OF REINFORCED CONCRETE DESIGN IN A CLEAR AND UNDERSTANDABLE MANNER.

*BUILDING STRUCTURES ILLUSTRATED -*  
FRANCIS D. K. CHING 2013-11-19

A NEW EDITION OF FRANCIS D.K. CHING'S ILLUSTRATED GUIDE TO STRUCTURAL DESIGN STRUCTURES ARE AN ESSENTIAL ELEMENT OF THE BUILDING PROCESS, YET ONE OF THE MOST DIFFICULT CONCEPTS FOR ARCHITECTS TO GRASP. WHILE STRUCTURAL ENGINEERS DO THE DETAILED CONSULTING WORK FOR A PROJECT, ARCHITECTS SHOULD HAVE ENOUGH KNOWLEDGE OF STRUCTURAL THEORY AND ANALYSIS TO DESIGN A BUILDING. BUILDING STRUCTURES ILLUSTRATED TAKES A NEW APPROACH TO STRUCTURAL DESIGN, SHOWING HOW STRUCTURAL SYSTEMS OF A BUILDING—SUCH AS AN INTEGRATED ASSEMBLY OF ELEMENTS WITH PATTERN, PROPORTIONS, AND SCALE—ARE RELATED TO THE FUNDAMENTAL ASPECTS OF ARCHITECTURAL DESIGN. THE BOOK FEATURES A ONE-STOP GUIDE TO STRUCTURAL DESIGN IN PRACTICE, A THOROUGH TREATMENT OF STRUCTURAL DESIGN AS PART OF THE ENTIRE BUILDING PROCESS, AND AN OVERVIEW OF THE HISTORICAL DEVELOPMENT OF ARCHITECTURAL MATERIALS AND STRUCTURE. ILLUSTRATED THROUGHOUT WITH CHING'S SIGNATURE LINE DRAWINGS, THIS NEW SECOND EDITION IS AN IDEAL

GUIDE TO STRUCTURES FOR DESIGNERS, BUILDERS, AND STUDENTS. UPDATED TO INCLUDE NEW INFORMATION ON BUILDING CODE COMPLIANCE, ADDITIONAL LEARNING RESOURCES, AND A NEW GLOSSARY OF TERMS OFFERS THOROUGH COVERAGE OF FORMAL AND SPATIAL COMPOSITION, PROGRAM FIT, COORDINATION WITH OTHER BUILDING SYSTEMS, CODE COMPLIANCE, AND MUCH MORE BEAUTIFULLY ILLUSTRATED BY THE RENOWNED FRANCIS D.K. CHING BUILDING STRUCTURES ILLUSTRATED, SECOND EDITION IS THE IDEAL RESOURCE FOR STUDENTS AND PROFESSIONALS WHO WANT TO MAKE INFORMED DECISIONS ON ARCHITECTURAL DESIGN.

**ENGINEERING SURVEYING - W**  
SCHOFIELD 2007-02-14

ENGINEERING SURVEYING INVOLVES DETERMINING THE POSITION OF NATURAL AND MAN-MADE FEATURES ON OR BENEATH THE EARTH'S SURFACE AND UTILIZING THESE FEATURES IN THE PLANNING, DESIGN AND CONSTRUCTION OF WORKS. IT IS A CRITICAL PART OF ANY ENGINEERING PROJECT. WITHOUT AN ACCURATE UNDERSTANDING OF THE SIZE, SHAPE AND NATURE OF THE SITE THE PROJECT RISKS EXPENSIVE AND TIME-CONSUMING ERRORS OR EVEN CATASTROPHIC FAILURE. THIS FULLY UPDATED SIXTH EDITION OF ENGINEERING SURVEYING COVERS ALL THE BASIC PRINCIPLES AND PRACTICE OF THE FUNDAMENTALS SUCH AS VERTICAL CONTROL, DISTANCE, ANGLES AND POSITION RIGHT THROUGH TO THE MOST MODERN TECHNOLOGIES. IT INCLUDES: \* AN INTRODUCTION TO

GEODESY TO FACILITATE GREATER UNDERSTANDING OF SATELLITE SYSTEMS \* A FULLY UPDATED CHAPTER ON GPS, GLONASS AND GALILEO FOR SATELLITE POSITIONING IN SURVEYING \* ALL NEW CHAPTER ON THE IMPORTANT SUBJECT OF RIGOROUS ESTIMATION OF CONTROL COORDINATES \* DETAILED MATERIAL ON MASS DATA METHODS OF PHOTOGRAMMETRY AND LASER SCANNING AND THE ROLE OF INERTIAL TECHNOLOGY IN THEM WITH MANY WORKED EXAMPLES AND ILLUSTRATIONS OF TOOLS AND TECHNIQUES, IT SUITS STUDENTS AND PROFESSIONALS ALIKE INVOLVED IN SURVEYING, CIVIL, STRUCTURAL AND MINING ENGINEERING, AND RELATED AREAS SUCH AS GEOGRAPHY AND MAPPING.

*APPLIED STRENGTH OF MATERIALS SI UNITS VERSION* - ROBERT L. MOTT  
2017-11-06

APPLIED STRENGTH OF MATERIALS 6/E, SI UNITS VERSION PROVIDES COVERAGE OF BASIC STRENGTH OF MATERIALS FOR STUDENTS IN ENGINEERING TECHNOLOGY (4-YR AND 2-YR) AND USES ONLY SI UNITS. EMPHASIZING APPLICATIONS, PROBLEM SOLVING, DESIGN OF STRUCTURAL MEMBERS, MECHANICAL DEVICES AND SYSTEMS, THE BOOK HAS BEEN UPDATED TO INCLUDE COVERAGE OF THE LATEST TOOLS, TRENDS, AND TECHNIQUES. COLOR GRAPHICS SUPPORT VISUAL LEARNING, AND ILLUSTRATE CONCEPTS AND APPLICATIONS. NUMEROUS INSTRUCTOR RESOURCES ARE OFFERED, INCLUDING A SOLUTIONS MANUAL, POWERPOINT

SLIDES, FIGURE SLIDES OF BOOK FIGURES, AND EXTRA PROBLEMS. WITH SI UNITS USED EXCLUSIVELY, THIS TEXT IS IDEAL FOR ALL TECHNOLOGY PROGRAMS OUTSIDE THE USA.

LRFD STEEL DESIGN - WILLIAM T. SEGUI 2003

THIS UP-TO-DATE BOOK INCLUDES THE LATEST SPECIFICATION FROM THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). THE EMPHASIS IS ON THE DESIGN OF BUILDING COMPONENTS IN ACCORDANCE WITH THE PROVISIONS OF THE AISC LOAD AND RESISTANCE FACTOR DESIGN (LRFD) SPECIFICATION AND THE LRFD MANUAL OF STEEL CONSTRUCTION. WITHOUT REQUIRING STUDENTS TO HAVE A KNOWLEDGE OF STABILITY THEORY OR STATICALLY INDETERMINATE STRUCTURES, THE BOOK MAINTAINS A BALANCE OF BACKGROUND MATERIAL WITH APPLICATIONS.

**REINFORCED CONCRETE** - JAMES GRIERSON MACGREGOR 1997  
BASED ON THE 1995 EDITION OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE, THIS TEXT EXPLAINS THE THEORY AND PRACTICE OF REINFORCED CONCRETE DESIGN IN A SYSTEMATIC AND CLEAR FASHION, WITH AN ABUNDANCE OF STEP-BY-STEP WORKED EXAMPLES, ILLUSTRATIONS, AND PHOTOGRAPHS. THE FOCUS IS ON PREPARING STUDENTS TO MAKE THE MANY JUDGMENT DECISIONS REQUIRED IN REINFORCED CONCRETE DESIGN, AND REFLECTS THE AUTHOR'S EXPERIENCE AS BOTH A TEACHER OF REINFORCED CONCRETE DESIGN AND AS A MEMBER OF

VARIOUS CODE COMMITTEES. THIS EDITION PROVIDES NEW, REVISED AND EXPANDED COVERAGE OF THE FOLLOWING TOPICS: CORE TESTING AND DURABILITY; SHRINKAGE AND CREEP; BASES THE MAXIMUM STEEL RATIO AND THE VALUE OF THE FACTOR ON APPENDIX B OF ACI 318-95; COMPOSITE CONCRETE BEAMS; STRUT-AND-TIE MODELS; DAPPED ENDS AND T-BEAM FLANGES. IT ALSO EXPANDS THE DISCUSSION OF STMs AND ADDS NEW EXAMPLES IN SI UNITS.

**STRUCTURAL ANALYSIS** - JACK C. MCCORMAC 2006-10-13  
PRESENTING AN INTRODUCTION TO ELEMENTARY STRUCTURAL ANALYSIS METHODS AND PRINCIPLES, THIS BOOK WILL HELP READERS DEVELOP A THOROUGH UNDERSTANDING OF BOTH THE BEHAVIOR OF STRUCTURAL SYSTEMS UNDER LOAD AND THE TOOLS NEEDED TO ANALYZE THOSE SYSTEMS. THROUGHOUT THE CHAPTERS, THEY'LL EXPLORE BOTH STATICALLY DETERMINATE AND STATICALLY INDETERMINATE STRUCTURES. AND THEY'LL FIND HANDS-ON EXAMPLES AND PROBLEMS THAT ILLUSTRATE KEY CONCEPTS AND GIVE THEM OPPORTUNITY TO APPLY WHAT THEY'VE LEARNED.

*PPI STRUCTURAL DEPTH PRACTICE EXAMS FOR THE PE CIVIL EXAM, 4TH EDITION ETEXT - 1 YEAR* - JAMES GIANCASPRO 2017-10-30  
TWO REALISTIC 40-PROBLEM STRUCTURAL DEPTH EXAMS  
STRUCTURAL DEPTH PRACTICE EXAMS FOR THE PE CIVIL EXAM CONTAINS

TWO 40-PROBLEM, MULTIPLE-CHOICE EXAMS CONSISTENT WITH THE NCEES PE CIVIL STRUCTURAL DEPTH EXAM'S FORMAT AND SPECIFICATIONS. LIKE THE ACTUAL EXAM, THE PROBLEMS IN THIS BOOK REQUIRE AN AVERAGE OF SIX MINUTES TO SOLVE. COMPREHENSIVE STEP-BY-STEP SOLUTIONS DEMONSTRATE ACCURATE AND EFFICIENT PROBLEM-SOLVING APPROACHES. AUTHOR COMMENTARY IS PROVIDED IN THE SOLUTIONS TO EXPLAIN TIME-SAVING SHORTCUTS AND COMMON PITFALLS. STRUCTURAL DEPTH PRACTICE EXAMS WILL HELP YOU EFFECTIVELY FAMILIARIZE YOURSELF WITH THE EXAM SCOPE AND FORMAT. QUICKLY IDENTIFY ACCURATE AND EFFICIENT PROBLEM-SOLVING APPROACHES. SUCCESSFULLY CONNECT RELEVANT THEORY TO EXAM-LIKE PROBLEMS. EFFICIENTLY NAVIGATE THROUGH EXAM-ADOPTED CODES AND STANDARDS. CONFIDENTLY SOLVE PROBLEMS UNDER TIMED CONDITIONS. REFERENCED CODES AND STANDARDS AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (AASHTO) BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES (ACI 530/530.1-13) BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318) MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI7) INTERNATIONAL BUILDING CODE (IBC) NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION ASD/LRFD (NDS) PCI DESIGN HANDBOOK: PRECAST AND

PRESTRESSED CONCRETE (PCI) SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION (OSHA 29 CFR PART 1926) STEEL CONSTRUCTION MANUAL (AISC) KEY FEATURES: TWO 40-PROBLEM, MULTIPLE-CHOICE EXAMS CONSISTENT WITH THE NCEES PE CIVIL STRUCTURAL DEPTH EXAM. COMPREHENSIVE STEP-BY-STEP SOLUTIONS DEMONSTRATE ACCURATE AND EFFICIENT PROBLEM-SOLVING APPROACHES. COMPREHENSIVE SOLUTIONS, INCLUDING COMMENTARY BY THE AUTHOR, TO EXPLAIN TIME-SAVING SHORTCUTS AND COMMON PITFALLS. BINDING: PAPERBACK PUBLISHER: PPI, A KAPLAN COMPANY STEEL CONSTRUCTION MANUAL - AMERICAN INSTITUTE OF STEEL CONSTRUCTION 2011 ORIGINALLY PUBLISHED IN 1926 [I.E. 1927] UNDER TITLE: STEEL CONSTRUCTION; TITLE OF 8TH ED.: MANUAL OF STEEL CONSTRUCTION. LRFD STEEL DESIGN AIDS, 4TH EDITION - ZAHID AHMAD SIDDIQI 2018-01-15 AFTER THE PUBLICATION OF THE THIRD EDITION OF THIS BOOK, NEW AISC SPECIFICATION WAS RELEASED IN 2010 THAT CONTAINS COMBINED PROVISIONS FOR ASD AND ARFD METHODS AND FORMULAS IN NON-DIMENSIONAL FORMAT TO BE USED BOTH FOR THE FPS AND THE SI UNITS. THIS FOURTH EDITION IS PREPARED AFTER REVISING THE ORIGINAL BOOK IN THE LIGHT OF THE NEW SPECIFICATION OF AISC 2016. THE BOOK CONTAINS TABLES REQUIRED FOR THE 345 GRADE STEEL AND BS SECTIONS. THE AUTHOR IS HIGHLY

THANKFUL TO ALL THE ENGINEERS AND STUDENTS WHO HAVE PARTICIPATED IN THE IMPROVEMENT OF THIS BOOK THROUGH THEIR QUESTIONS AND QUERIES. AS BEFORE, THE DETAILED DESIGN PROCEDURE OF THE STEEL STRUCTURES IS EXPLAINED IN A SEPARATE BOOK TITLED “STEEL STRUCTURES” WHICH FREQUENTLY REFERS TO THIS BOOK FOR THE PROPERTIES TABLES AND THE DESIGN AIDS. SUGGESTIONS FOR FURTHER IMPROVEMENT OF THE PRESENTATION WILL BE HIGHLY APPRECIATED AND WILL BE INCORPORATED IN THE FUTURE EDITIONS.

### **CONCRETE STRUCTURES, 3RD EDITION - ZAHID AHMAD SIDDIQI**

THIS BOOK IS PREPARED ACCORDING TO THE 2014 ACI CODE FOR BUILDINGS AND AASHTO LRFD SPECIFICATIONS FOR BRIDGES. THE UNITS USED THROUGHOUT THE PRESENTATION ARE THE SI UNITS, HOWEVER, THE EXPRESSIONS AND EXAMPLES ARE ALSO GIVEN IN US CUSTOMARY UNITS IN THE STARTING CHAPTERS TO KEEP CONTINUITY WITH THE TRADITIONAL SYSTEM OF UNITS. IT IS TRIED THAT THE THREE MAIN PHASES OF STRUCTURAL DESIGN, NAMELY LOAD DETERMINATION, DESIGN CALCULATIONS AND DETAILING ARE INTRODUCED TO THE BEGINNER. THIS BOOK IS USEFUL WITH THE 2ND PART OF THE SAME BOOK. AFTER THE PRINTING OF THE FIRST AND SECOND EDITIONS, THE COMMENTS SEND BY COLLEAGUES, FELLOW ENGINEERS AND STUDENTS ARE ACKNOWLEDGED WITH THANKS. SUGGESTIONS FOR FURTHER

IMPROVEMENT OF THE PRESENTATION WILL BE HIGHLY APPRECIATED AND WILL BE INCORPORATED IN THE FUTURE EDITIONS.

### *STEEL DESIGNERS' MANUAL FIFTH EDITION: THE STEEL CONSTRUCTION INSTITUTE - INSTITUTE STEEL CONSTRUCTION 1993-01-18*

THIS CLASSIC MANUAL FOR STRUCTURAL STEELWORK DESIGN WAS FIRST PUBLISHED IN 1956. SINCE THEN, IT HAS SOLD MANY THOUSANDS OF COPIES WORLDWIDE. THE FIFTH EDITION IS THE FIRST MAJOR REVISION FOR 20 YEARS AND IS THE FIRST EDITION TO BE FULLY BASED ON LIMIT STATE DESIGN, NOW USED AS THE PRIMARY DESIGN METHOD, AND ON THE UK CODE OF PRACTICE, BS 5950. IT PROVIDES, IN A SINGLE VOLUME, ALL YOU NEED TO KNOW ABOUT STRUCTURAL STEEL DESIGN.

### *APPLIED STRENGTH OF MATERIALS, FIFTH EDITION - ROBERT L. MOTT 2007-08-30*

THIS BOOK DISCUSSES KEY TOPICS IN STRENGTH OF MATERIALS, EMPHASIZING APPLICATIONS, PROBLEM SOLVING, AND DESIGN OF STRUCTURAL MEMBERS, MECHANICAL DEVICES, AND SYSTEMS. IT COVERS BASIC CONCEPTS, DESIGN PROPERTIES OF MATERIALS, DESIGN OF MEMBERS UNDER DIRECT STRESS, AXIAL DEFORMATION AND THERMAL STRESSES, TORSIONAL SHEAR STRESS AND TORSIONAL DEFORMATION, SHEARING FORCES AND BENDING MOMENTS IN BEAMS, CENTROIDS AND MOMENTS OF INERTIA OF AREAS, STRESS DUE TO BENDING, SHEARING STRESSES IN



BEAMS, SPECIAL CASES OF COMBINED STRESSES, THE GENERAL CASE OF COMBINED STRESS AND MOHR'S CIRCLE, BEAM DEFLECTIONS, STATISTICALLY INDETERMINATE BEAMS, COLUMNS, AND PRESSURE VESSELS.

*APPLIED STRENGTH OF MATERIALS* - ROBERT L. MOTT 2016-11-17

DESIGNED FOR A FIRST COURSE IN STRENGTH OF MATERIALS, APPLIED STRENGTH OF MATERIALS HAS LONG BEEN THE BESTSELLER FOR ENGINEERING TECHNOLOGY PROGRAMS BECAUSE OF ITS COMPREHENSIVE COVERAGE, AND ITS EMPHASIS ON SOUND FUNDAMENTALS, APPLICATIONS, AND PROBLEM-SOLVING TECHNIQUES. THE COMBINATION OF CLEAR AND CONSISTENT PROBLEM-SOLVING TECHNIQUES, NUMEROUS END-OF-CHAPTER PROBLEMS, AND THE INTEGRATION OF BOTH ANALYSIS AND DESIGN APPROACHES TO STRENGTH OF MATERIALS PRINCIPLES PREPARES STUDENTS FOR SUBSEQUENT COURSES AND PROFESSIONAL PRACTICE. THE FULLY UPDATED SIXTH EDITION. BUILT AROUND AN EDUCATIONAL PHILOSOPHY THAT STRESSES ACTIVE LEARNING, CONSISTENT REINFORCEMENT OF KEY CONCEPTS, AND A STRONG VISUAL COMPONENT, APPLIED STRENGTH OF MATERIALS, SIXTH EDITION CONTINUES TO OFFER THE READERS THE MOST THOROUGH AND UNDERSTANDABLE APPROACH TO MECHANICS OF MATERIALS.

REINFORCED CONCRETE DESIGN - KENNETH LEET 1997

CONTENT: MATERIALS - DESIGN OF BEAMS FOR FLEXURE - SHEAR AND

DIAGONAL TENSION - TORSION - BOND, ANCHORAGE, AND REINFORCING DETAILS - DESIGN OF COLUMNS - FOOTING DESIGN - RETAINING WALLS - THE DESIGN AND ANALYSIS OF MULTISTORY BUILDING FRAMES - DESIGN OF TWO-WAY SLABS - PRESTRESSED CONCRETE.

*STRUCTURAL STEEL DESIGN* - ABI O. AGHAYERE 2011-11-21

THIS IS THE eBook OF THE PRINTED BOOK AND MAY NOT INCLUDE ANY MEDIA, WEBSITE ACCESS CODES, OR PRINT SUPPLEMENTS THAT MAY COME PACKAGED WITH THE BOUND BOOK. THIS BOOK IS A COMPREHENSIVE, STAND ALONE REFERENCE FOR STRUCTURAL STEEL DESIGN. GIVING THE AUDIENCE A THOROUGH INTRODUCTION TO STEEL STRUCTURES, THIS BOOK CONTAINS ALL OF THE NEED TO KNOW INFORMATION ON PRACTICAL DESIGN CONSIDERATIONS IN THE DESIGN OF STEEL BUILDINGS. IT INCLUDES COMPLETE COVERAGE OF DESIGN METHODS, LOAD COMBINATIONS, GRAVITY LOADS, LATERAL LOADS AND SYSTEMS IN STEEL BUILDINGS, AND MUCH MORE.

**PROBABILITY-BASED STRUCTURAL FIRE LOAD** - LEO RAZDOLSKY

2014-08-25

THIS BOOK INTRODUCES THE SUBJECT OF PROBABILISTIC ANALYSIS TO ENGINEERS AND CAN BE USED AS A REFERENCE IN APPLYING THIS TECHNOLOGY.

**TEMPORARY STRUCTURES IN CONSTRUCTION, THIRD EDITION** - ROBERT RATAY 2012-05-06

THE MOST COMPLETE AND CURRENT

GUIDE TO TEMPORARY STRUCTURES IN DESIGN AND CONSTRUCTION WITH SIGNIFICANT REVISIONS, UPDATES, AND NEW CHAPTERS, TEMPORARY STRUCTURES IN CONSTRUCTION, THIRD EDITION PRESENTS AUTHORITATIVE INFORMATION ON PROFESSIONAL PRACTICE, CODES, STANDARDS, DESIGN, ERECTION, MAINTENANCE, AND FAILURES OF TEMPORARY SUPPORT AND ACCESS STRUCTURES USED IN CONSTRUCTION. NEW DEVELOPMENTS AND ADVANCING TECHNOLOGIES ARE DISCUSSED THROUGHOUT THE BOOK, AND NEW CHAPTERS ON CONSTRUCTION AND ENVIRONMENTAL LOADS, CRANES, AND LESSONS LEARNED FROM TEMPORARY STRUCTURE FAILURES HAVE BEEN ADDED. IMPROVE THE QUALITY, SAFETY, SPEED, AND FINANCIAL SUCCESS OF CONSTRUCTION PROJECTS WITH HELP FROM THIS PRACTICAL RESOURCE. INSIDE, 26 EXPERT CONTRIBUTORS COVER: PROFESSIONAL AND BUSINESS PRACTICES STANDARDS, CODES, AND REGULATIONS CONSTRUCTION AND ENVIRONMENTAL LOADS CONSTRUCTION SITE SAFETY LEGAL ASPECTS COFFERDAMS EARTH-RETAINING STRUCTURES DIAPHRAGM/SLURRY WALLS CONSTRUCTION DEWATERING UNDERGROUND/TUNNELING SUPPORTS UNDERPINNING ROADWAY DECKING CONSTRUCTION RAMPS, RUNWAYS, AND PLATFORMS SCAFFOLDING SHORING/FALSEWORK CONCRETE FORMWORK BRACING AND GUYING FOR STABILITY BRIDGE FALSEWORK TEMPORARY STRUCTURES IN REPAIR

AND RESTORATION CRANES PROTECTION OF SITE, ADJACENT AREAS, AND UTILITIES FAILURE OF TEMPORARY STRUCTURES IN CONSTRUCTION DESIGN OF REINFORCED CONCRETE - JACK C. McCORMAC 1998 THE FOURTH EDITION OF JACK McCORMAC'S TEXTBOOK, DESIGN OF REINFORCED CONCRETE, CONTINUES THE SUCCESSFUL TRADITION OF EARLIER EDITIONS BY INTRODUCING THE FUNDAMENTALS OF REINFORCED CONCRETE DESIGN IN A MANNER THAT STIMULATES INTEREST IN THE SUBJECT. KNOWN FOR ITS CLEAR EXPLANATIONS, THE BOOK IS ESPECIALLY APPROPRIATE FOR STUDENTS JUST BEGINNING THEIR STUDY IN REINFORCED CONCRETE. THE NEW EDITION HAS BEEN UPDATED TO REFLECT THE CHANGES IN THE 1995 ACI BUILDING CODE AND THE CHAPTERS ON BEAM-COLUMNS HAVE BEEN IMPROVED AS A RESULT. NEW HOMEWORK PROBLEMS HAVE BEEN ADDED THROUGHOUT THE TEXT. AS WITH THE PREVIOUS EDITION, THE TEXT COMES WITH A WINDOWS-BASED SOFTWARE PACKAGE WHICH FEATURES MANY CHALLENGING REINFORCED CONCRETE EXERCISES THAT ALLOWS STUDENTS TO CHANGE PROBLEMS AND STILL OBTAIN IMMEDIATE ANSWERS. PRINCIPLES OF STRUCTURAL DESIGN - RAM S. GUPTA 2019-06-17 TIMBER, STEEL, AND CONCRETE ARE COMMON ENGINEERING MATERIALS USED IN STRUCTURAL DESIGN. MATERIAL CHOICE DEPENDS UPON THE TYPE OF STRUCTURE, AVAILABILITY OF MATERIAL, AND THE PREFERENCE OF THE

DESIGNER. THE DESIGN PRACTICES THE CODE REQUIREMENTS OF EACH MATERIAL ARE VERY DIFFERENT. IN THIS UPDATED EDITION, THE ELEMENTAL DESIGNS OF INDIVIDUAL COMPONENTS OF EACH MATERIAL ARE PRESENTED, TOGETHER WITH THEORY OF STRUCTURES ESSENTIAL FOR THE DESIGN. NUMEROUS EXAMPLES OF COMPLETE STRUCTURAL DESIGNS HAVE BEEN INCLUDED. A COMPREHENSIVE DATABASE COMPRISING MATERIALS PROPERTIES, SECTION PROPERTIES, SPECIFICATIONS, AND DESIGN AIDS, HAS BEEN INCLUDED TO MAKE THIS ESSENTIAL READING.

*UNIFIED DESIGN OF STEEL STRUCTURES*  
- LOUIS F. GESCHWINDNER  
2011-12-20

GESCHWINDNER'S 2ND EDITION OF UNIFIED DESIGN OF STEEL STRUCTURES PROVIDES AN UNDERSTANDING THAT STRUCTURAL ANALYSIS AND DESIGN ARE TWO INTEGRATED PROCESSES AS WELL AS THE NECESSARY SKILLS AND KNOWLEDGE IN INVESTIGATING, DESIGNING, AND DETAILING STEEL STRUCTURES UTILIZING THE LATEST DESIGN METHODS ACCORDING TO THE AISC CODE. THE GOAL IS TO PREPARE READERS TO WORK IN DESIGN OFFICES AS DESIGNERS AND IN THE FIELD AS INSPECTORS. THIS NEW EDITION IS COMPATIBLE WITH THE 2011 AISC CODE AS WELL AS MARGINAL REFERENCES TO THE AISC MANUAL FOR DESIGN EXAMPLES AND ILLUSTRATIONS, WHICH WAS SEEN AS A REAL ADVANTAGE BY THE SURVEY RESPONDENTS. FURTHERMORE, NEW SECTIONS HAVE BEEN ADDED ON: DIRECT

ANALYSIS, TORSIONAL AND FLEXURAL-TORSIONAL BUCKLING OF COLUMNS, FILLED HSS COLUMNS, AND COMPOSITE COLUMN INTERACTION. MORE REAL-WORLD EXAMPLES ARE INCLUDED IN ADDITION TO NEW USE OF THREE-DIMENSIONAL ILLUSTRATIONS IN THE BOOK AND IN THE IMAGE GALLERY; AN INCREASED NUMBER OF HOMEWORK PROBLEMS; AND MEDIA APPROACH SOLUTIONS MANUAL, IMAGE GALLERY.

**MATRIX ANALYSIS OF STRUCTURES** -  
ASLAM KASSIMALI 2011-01-01

THIS BOOK TAKES A FRESH, STUDENT-ORIENTED APPROACH TO TEACHING THE MATERIAL COVERED IN THE SENIOR- AND FIRST-YEAR GRADUATE-LEVEL MATRIX STRUCTURAL ANALYSIS COURSE. UNLIKE TRADITIONAL TEXTS FOR THIS COURSE THAT ARE DIFFICULT TO READ, KASSIMALI TAKES SPECIAL CARE TO PROVIDE UNDERSTANDABLE AND EXCEPTIONALLY CLEAR EXPLANATIONS OF CONCEPTS, STEP-BY-STEP PROCEDURES FOR ANALYSIS, FLOWCHARTS, AND INTERESTING AND MODERN EXAMPLES, PRODUCING A TECHNICALLY AND MATHEMATICALLY ACCURATE PRESENTATION OF THE SUBJECT. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

**STUDYGUIDE FOR STRUCTURAL STEEL DESIGN BY MCCORMAC, JACK C.** -  
CRAM101 TEXTBOOK REVIEWS  
2013-05

NEVER HIGHLIGHT A BOOK AGAIN  
VIRTUALLY ALL TESTABLE TERMS,

CONCEPTS, PERSONS, PLACES, AND EVENTS ARE INCLUDED. CRAM101 TEXTBOOK OUTLINES GIVES ALL OF THE OUTLINES, HIGHLIGHTS, NOTES FOR YOUR TEXTBOOK WITH OPTIONAL ONLINE PRACTICE TESTS. ONLY CRAM101 OUTLINES ARE TEXTBOOK SPECIFIC. CRAM101 IS NOT THE TEXTBOOK. ACCOMPANYS: 9780521673761

STRUCTURAL STEEL DESIGN - JACK C. McCORMAC 1992

THIS INTRODUCTORY TEXT ON STRUCTURAL STEEL DESIGN CONTINUES JACK McCORMAC'S TRADITION OF WRITING TEXTBOOKS THAT ARE ACCESSIBLE TO STUDENTS.

COMPLICATED THEORETICAL DERIVATIONS ARE PRESENTED IN AN EASY-TO-UNDERSTAND MANNER WITHOUT OVERBURDENING STUDENTS WITH TECHNICAL EXPLANATIONS. THE LATEST EDITION OF THIS POPULAR TEXT CONFORMS TO AISC'S 1989 STANDARDS ON ALLOWABLE STRESS DESIGN. NUMEROUS TOPICS HAVE BEEN EXPANDED IN THE FOURTH EDITION INCLUDING BLOCK SHEAR, FLEXURAL-TORSIONAL BUCKLING, AND ECCENTRICALLY LOADED CONNECTIONS. DUE TO THE EXPANDED INTEREST IN THE LRFD METHOD, FOUR CHAPTERS HAVE BEEN ADDED TO THE TEXT AS AN INTRODUCTION TO THE SUBJECT.

**STRUCTURAL STEEL DESIGN** - ABI O. AGHAYERE 2020-01-23  
STRUCTURAL STEEL DESIGN, THIRD EDITION IS A SIMPLE, PRACTICAL, AND CONCISE GUIDE TO STRUCTURAL STEEL DESIGN - USING THE LOAD AND

RESISTANCE FACTOR DESIGN (LRFD) AND THE ALLOWABLE STRENGTH DESIGN (ASD) METHODS -- THAT EQUIPS THE READER WITH THE NECESSARY SKILLS FOR DESIGNING REAL-WORLD STRUCTURES. CIVIL, STRUCTURAL, AND ARCHITECTURAL ENGINEERING STUDENTS INTENDING TO PURSUE CAREERS IN STRUCTURAL DESIGN AND CONSULTING ENGINEERING, AND PRACTICING STRUCTURAL ENGINEERS WILL FIND THE TEXT USEFUL BECAUSE OF THE HOLISTIC, PROJECT-BASED LEARNING APPROACH THAT BRIDGES THE GAP BETWEEN ENGINEERING EDUCATION AND PROFESSIONAL PRACTICE. THE DESIGN OF EACH BUILDING COMPONENT IS PRESENTED IN A WAY SUCH THAT THE READER CAN SEE HOW EACH ELEMENT FITS INTO THE ENTIRE BUILDING DESIGN AND CONSTRUCTION PROCESS. STRUCTURAL DETAILS AND PRACTICAL EXAMPLE EXERCISES THAT REALISTICALLY MIRROR WHAT OBTAINS IN PROFESSIONAL DESIGN PRACTICE ARE PRESENTED. FEATURES: - INCLUDES UPDATED CONTENT/EXAMPLE EXERCISES THAT CONFORM TO THE CURRENT CODES (ASCE 7, ANSI/AISC 360-16, AND IBC) - ADDS COVERAGE TO ASD AND EXAMPLES WITH ASD TO PARALLEL THOSE THAT ARE DONE LRFD - FOLLOWS A HOLISTIC APPROACH TO STRUCTURAL STEEL DESIGN THAT CONSIDERS THE DESIGN OF INDIVIDUAL STEEL FRAMING MEMBERS IN THE CONTEXT OF A COMPLETE STRUCTURE.  
**STRUCTURAL STEEL DESIGN** - JACK C. McCORMAC 2008

THE MATERIAL IS PRESENTED IN A CLEAR, READER-FRIENDLY STYLE. THIS BEST-SELLING TEXT HAS BEEN FULLY UPDATED TO CONFORM TO THE LATEST AMERICAN MANUAL OF STEEL CONSTRUCTION. BOTH LOAD AND RESISTANCE FACTOR DESIGN (LRFD) AND ALLOWABLE STRESS DESIGN (ASD) ARE NOW COVERED AND CALCULATIONS ARE WORKED OUT SIDE-BY-SIDE TO ALLOW FOR EASY IDENTIFICATION OF THE DIFFERENT METHODS. USE OF SI UNITS AS AN ADDITION TO THE PRIMARY USE OF INCH-POUND UNITS. NEW COVERAGE OF LATERAL TORSIONAL BENDING AND HOLLOW STRUCTURAL SECTIONS. FOR STEEL DESIGN STUDENTS AND PROFESSIONALS.

**STEEL DESIGN** - WILLIAM T. SEGUI  
2012-08-01

STEEL DESIGN COVERS THE FUNDAMENTALS OF STRUCTURAL STEEL DESIGN WITH AN EMPHASIS ON THE DESIGN OF MEMBERS AND THEIR CONNECTIONS, RATHER THAN THE INTEGRATED DESIGN OF BUILDINGS. THE BOOK IS DESIGNED SO THAT INSTRUCTORS CAN EASILY TEACH LRFD, ASD, OR BOTH, TIME-PERMITTING. THE APPLICATION OF FUNDAMENTAL PRINCIPLES IS ENCOURAGED FOR DESIGN PROCEDURES AS WELL AS FOR PRACTICAL DESIGN, BUT A THEORETICAL APPROACH IS ALSO PROVIDED TO ENHANCE STUDENT DEVELOPMENT. WHILE THE BOOK IS INTENDED FOR JUNIOR- AND SENIOR-LEVEL ENGINEERING STUDENTS, SOME OF THE LATER CHAPTERS CAN BE USED IN

GRADUATE COURSES AND PRACTICING ENGINEERS WILL FIND THIS TEXT TO BE AN ESSENTIAL REFERENCE TOOL FOR REVIEWING CURRENT PRACTICES.

IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

**STRUCTURAL ANALYSIS** - JACK C. McCORMAC 1997

*STRUCTURAL STEEL DESIGN* - JACK C. McCORMAC 1995

THE UNDERGRADUATE COURSE IN STRUCTURAL STEEL DESIGN USING THE LOAD AND RESISTANCE FACTOR DESIGN METHOD (LRFD). THE TEXT ALSO ENABLES PRACTICING ENGINEERS WHO HAVE BEEN TRAINED TO USE THE ALLOWABLE STRESS DESIGN PROCEDURE (ASD) TO CHANGE EASILY TO THIS MORE ECONOMICAL AND REALISTIC METHOD FOR PROPORTIONING STEEL STRUCTURES. THE BOOK COMES WITH PROBLEM-SOLVING SOFTWARE TIED TO CHAPTER EXERCISES WHICH ALLOWS STUDENT TO SPECIFY PARAMETERS FOR PARTICULAR PROBLEMS AND HAVE THE COMPUTER ASSIST THEM. ON-SCREEN INFORMATION ABOUT HOW TO USE THE SOFTWARE AND THE SIGNIFICANCE OF VARIOUS PROBLEM PARAMETERS IS FEATURED. THE SECOND EDITION REFLECTS THE REVISED STEEL SPECIFICATIONS (LRFD) OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

**STEEL STRUCTURES** - T.J. MACGINLEY  
2002-12-24

THE SECOND EDITION OF THIS WELL-KNOWN BOOK PROVIDES A SERIES OF PRACTICAL DESIGN STUDIES OF A RANGE OF STEEL STRUCTURES. IT IS

EXTENSIVELY REVISED AND CONTAINS NUMEROUS WORKED EXAMPLES, INCLUDING COMPARATIVE DESIGNS FOR MANY STRUCTURES.