

Builder's Book, Inc.

BOOKSTORE • PUBLISHER

8001 CANOGA AVENUE,

CANOGA PARK, CA 91304

MARCH 2020

ISSUE 217

WELDING / STEEL REFERENCES

Over **1,700**
Questions with
Explanations!



NEW! QuickPass™

**CERTIFIED WELDING INSPECTOR
AWS/CWI STUDY GUIDE**

Code References:

- AWS D1.1-2020 • AWS D1.2-2014 • AWS D1.3-2018 • AWS A2.4-2012
- AWS D1.4-2018 • AWS A3.0-2020 • API 1104-2013

This publication deals with both Welding Certification and Welding Inspection Exams. The primary emphasis is the Structural Welding Code for Steel because welding inspection involves more than looking at welds, a welding inspector must have both a wide range of knowledge and skills and an understanding of the welder's work.

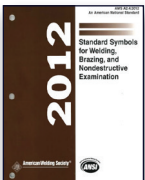
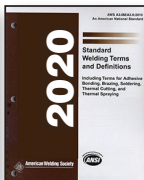
Based on the 2020 D1.1 (9781622702695) **\$69.95**

Based on the 2015 D1.1 (9781622702077) **\$69.95**

CERTIFIED WELDING INSPECTOR AWS/CWI FLASHCARDS

Based on the 2020 D1.1 (9781622702701) **\$29.95**

Based on the 2015 D1.1 (9781622702282) **\$29.95**



NEW! AWS D1.1/D1.1M 2020: - Steel
Dozens of updates to the AWS D1.1 Structural Welding Code-Steel make the 2020 edition indispensable for anyone designing, building, or inspecting steel structures and products.
(AWS D1.1-20) **\$799.95**

AWS D1.2-2014: - Aluminum
This code covers the welding requirements for any type structure made from aluminum structural alloys, except for aluminum pressure vessels and pressure piping.
(9780871718402) **\$299.95**

AWS D1.3/D1.3M 2018: -Sheet Steel
This code covers the requirements associated with welding sheet steel having a minimum specified yield point no greater than 80 ksi [550 MPa].
(9780871719188) **\$219.95**

AWS D1.4-2018: - Reinforcing Steel
Covers welding of reinforcing steel in most reinforced concrete applications as well as sections on allowable stresses, structural details, and much more.
(9780871719577) **\$209.95**

AWS D1.5M/D1.5 2015: Bridge Welding Code
This code covers the welding requirements for AASHTO welded highway bridges made from carbon and low-alloy constructional steels. (9780871718655) **\$499.95**

WELDING INSPECTION TECHNOLOGY 5TH ED.

This publication deals broadly with Welding Inspection Technology and Certification. The welding inspector must have a wide range of knowledge and skills, because it involves more than simply looking at welds. (9780871715791) **\$339.95**

WELDING INSPECTION TECHNOLOGY WORKBOOK,
WIT-W: 2008 (9780871716220) **\$113.95**

AWS D1.6/D1.6M 2017: - Stainless Steel

This code covers the requirements for welding stainless steel structural assemblies as well as welding requirements for the fabrication, assembly, and erection of welded structures. (9780871719065) **\$394.95**

AWS D1.8/D1.8M 2016: - Seismic Supplement

This document supplements the requirements to the D1.1/D1.1M Structural Welding Code as it relates to seismic provisions to achieve adequate performance of welded steel structures under conditions of severe earthquake-induced inelastic straining.
(9780871718945) **\$221.95**

NEW! AWS A3.0M/A3.0 2020: Welding Terms & Definitions

This standard is a glossary of the technical terms used in the welding industry. It is a comprehensive compilation of welding terminology, nonstandard terms used in the welding industry are also included. They are arranged in word-by-word alphabetical sequence.
(9781643220833) **\$299.95**

AWS A2.4 2012: Symbols for Welding, Brazing, & Nondestructive Examination

This standard establishes a method for specifying certain welding, brazing, and nondestructive examination information by means of symbols.
(9780871717962) **\$232.95**

AWS CM CERTIFICATION MANUAL FOR WELDING INSPECTORS (AWS CM)



Self-study to prepare for AWS welding inspector exams.

An excellent reference and introduction for those studying for the CWI examination. (9780871716262) **\$269.95**

**CCRM: 2015 AWS D1.1 STRUCTURAL WELDING
CODE STEEL (CCRM2015)** **\$119.95**

AWS WELDING INSPECTION HANDBOOK, 4TH ED.
(9780871718556) **\$129.95**



QUICK-CARDS™

**6 PAGE, UNIQUE QUICK-REFERENCE GUIDES!
WELDING SYMBOLS**

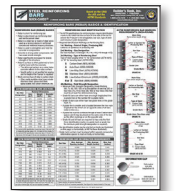
This new, six-page, full-color card quickly covers essential welding symbols used in architectural plans and engineering drawings. Includes several quick lookup tables. In most cases, symbols are shown for plan view, and where alternatives are commonly in use, multiple symbols are shown.

(9781889892740) **\$9.95**

STEEL REINFORCING BARS

This is a quick reference for the basics, identification, and uses of reinforcing bar. Includes ASTM Reinforcing Bars, Reinforcing Bar Deformation Requirements, Diameter, Tensile Requirements & Specialty Bars, and more.

(9781622702039) **\$7.95**



AWS CODES

THE EVERYDAY POCKET AWS HANDBOOKS

Arc Welding Steel

This handy reference is packed with the most useful charts and drawings relevant to arc welding steel. (AWSHB) **\$39.95**

Visual Inspection & Weld Procedure

This guide covers cracks, inclusions incomplete fusion, incomplete joint penetration, overlap, and more. (AWSHB2) **\$39.95**

Welding Joint Details for Structural Applications

A guidebook covering selected welded joint details for the welding of plate and shapes for structural applications. (AWSHB3) **\$39.95**

Gas Metal Arc and Flux Cored Arc Welding

Covers troubleshooting advice for mechanical & electrical GMAW and FCAW. (AWSHB4) **\$39.95**

Metric Practices for the Welding Industry

Includes table conversions for common welding terms, length conversions, electrode sizes, and more. (AWSHB5) **\$39.95**

Visual Inspection of AWS D1.1

Includes transitions between unequal thickness, access hold requirements, and more (AWSHB6) **\$39.95**

Shielded Metal Arc Welding

Includes convenient charts on meaning of classification suffixes, suggested amperage ranges, and more. (AWSHB7) **\$39.95**

ACT NOW AND GET A 10% DISCOUNT!

All prices are subject to change without prior notice.



NL2R217 • © 2020 Builder's Book, Inc. • Bookstore/Publisher • 8001 CANOGA AVE • CANOGA PARK, CA 91304
PHONE (818) 887-7828 • TOLL FREE 1-800 ASK-BOOK • FAX (818) 887-7990 • WEBSITE: www.buildersbook.com

SHIELDED METAL ARC WELDING

Shielded Metal Arc Welding is a write-in text that progresses from basic theory to specialized techniques. It focuses on the shielded metal arc welding (SMAW) process. (9781631261237) **\$79.95**

GMAW/FCAW HANDBOOK

The GMAW/FCAW Handbook provides a thorough but concise introduction to gas metal arc welding and flux cored arc welding. (9781631263651) **\$115.95**

GAS TUNGSTEN ARC WELDING HANDBOOK 6TH ED.

The Gas Tungsten Arc Welding Handbook combines hundreds of full-color illustrations with easy-to-understand instructions. (9781605257938) **\$82.95**

FLUX CORED ARC WELDING HANDBOOK, 3RD ED.

Flux Cored Arc Welding Handbook provides comprehensive coverage of gas-shielded (FCAW-G) and self-shielded (FCAW-S) flux cored arc welding processes. (9781605250779) **\$84.95**

WELDING PROCESS TRAINING: GAS TUNGSTEN ARC WELDING

This book has full-color illustrations and describes the capabilities of today's advanced AC welding power supplies such as the Dynasty®350 and the many adjustments available. (250833) **\$29.95**

BLUEPRINT READING FOR WELDERS 9TH ED

This hands-on, reader-friendly guide provides comprehensive, up-to-date coverage of welding symbols and their application to welding prints and practices. (9781133605782) **\$159.95**

WELDING PRINT READING, 7TH ED. (9781635636819) **\$139.95**

PRINTREADING FOR WELDERS, 5TH ED. (9780826930712) **\$82.00**

WELDING SKILLS, 5TH ED.

This easy-to-comprehend textbook features hundreds of full-color illustrations and application photos to illustrate key concepts. (9780826930842) **\$132.00**
Workbook 5th ED. (9780826930859) **\$40.00**

WELDING LICENSING EXAM STUDYGUIDE

The Welding Licensing Exam Study Guide contains everything needed to pass the Welding Code Book and Fundamentals exams with flying colors. (007149376X) **\$45.00**

WELDER (PASSBOOKS)

Whether you're taking your welding exam or just studying at home to increase your knowledge and get that promotion, this guide are exactly what you need. (0837308925) **\$39.95**

1,001 QUESTIONS & ANSWERS FOR THE CWI EXAM

This work is a comprehensive collection of preparatory exam questions and answers for welders, inspectors, students, or anyone interested in the welding metallurgical field. (9780831136291) **\$54.95**

WELDING ESSENTIALS 2ND ED. (0831133016) **\$44.95**

ARC WELDED PROJECTS

VOL I (LINC-APV1) **\$19.95**
VOL II (LINC-APV2) **\$19.95**
VOL III (LINC-APV3) **\$19.95**
VOL IV (LINC-APV4) **\$19.95**
VOL V (LINC-APV5) **\$19.95**

WELDING PRACTICES & PROCEDURES FOR THE PIPE TRADES

Based on selected content from the industry leading Welding Skills textbook, this helpful resource presents targeted topics including welding safety, shielded metal arc welding, gas tungsten arc welding, gas metal arc welding, and other welding and pipe joining processes. (9780826929839) **\$116.00**

WELDER'S HANDBOOK (1557885135) **\$19.95**
WELDING 2ND ED. (0071763872) **\$40.00**

WELDING: A PRACTICAL GUIDE TO JOINING METALS (9781847971890) **\$45.00**

THE TAB GUIDE TO DIY WELDING (9780071799683) **\$25.00**

WELDING METALWORKING GUIDE (9781847974327) **\$27.95**

THE ART OF WELDING (9780831134754) **\$34.95**

POCKET WELDING GUIDE, 32ND ED. (9781936058280) **\$9.95**

STRUCTURAL WELDING QUALITY HB (SWQHB16) **\$20.00**

IPT's Metal Trades & Welding Handbook (9780920855195) **\$29.95**

WELDING FUNDAMENTALS

WELDING FUNDAMENTALS, 5TH ED. (9781631263286) **\$134.95**

WELDING TECHNOLOGY FUNDAMENTALS (1605252568) **\$89.95**

MATH FOR WELDERS, 6TH ED. (9781635636581) **\$79.95**

DESIGN OF WELDED STRUCTURES

The classic text explores the feasibility and practicality of replacing rivets and other fasteners with welded elements in the erection of structural steel. (LINC2) **\$42.95**
METALS AND HOW TO WELD THEM (LINC7) **\$20.00**
DESIGN OF WELDMENTS (LINC13) **\$29.95**
PRINCIPLES OF INDUSTRIAL WELDING (LINC10) **\$29.95**

THE PIPE FITTER'S AND PIPE WELDER'S HANDBOOK

This book enables pipefitters to solve difficult problems they will face in their work by providing instructions and calculations for common and unusual tasks. (0028025008) **\$38.50**

PROCEDURE HANDBOOK OF ARC WELDING

This hardbound book contains over 750 pages of welding information techniques and procedures; photographs, drawings and charts. (LINC1) **\$50.00**

AUDEL

AUDEL PIPEFITTER'S AND WELDER'S POCKET

MANUAL (0764542052) **\$24.95**

AUDEL MILLWRIGHTS AND MECHANICS GUIDE (0764541714) **\$59.95**

AUDEL WELDING POCKET REFERENCE (0764588099) **\$24.95**

MILLER SLIDE CALCULATORS

TIG CALCULATOR (171086) **\$4.95**
MIG CALCULATOR (086446) **\$4.95**
STICK CALCULATOR (171087) **\$4.95**

SLIDE CHARTS

STRUCTURAL DETAILS - ROLLED STEEL BEAMS & CHANNELS

SLIDE CHART (SW2) **\$19.95**

STRUCTURAL STEEL (ROLLED SECTIONS) SLIDE

CHART (SW3) **\$19.95**

STRUCTURAL STEEL DETAIL SLIDE (PS-SS) **\$20.00**

STEEL WEIGHT FINDER

The most widely used wheel-chart in the world for quickly determining accurate weights and dimensional data on angles, beams, channels, flats, rounds, squares, hexagons, strip, sheets (black and galvanized), plate, floor plate, rebar, and pipe. (ALC1) **\$19.95**

STRUCTURAL STEEL DETAIL GUIDE, WHEEL

CALCULATOR (ALC2) **\$19.95**

AISC STEEL CONSTRUCTION MANUAL 15TH ED.

This manual is the 15th Edition of the AISC Steel Construction Manual, which was first published in 1927. It replaces the 14th Edition Manual originally published in 2011. (9781564240071) **\$400.00**

SHEET METAL, 2ND ED.

Sheet Metal is an introduction to the fundamentals of layout, cutting, forming, and fabrication of sheet metal. It can serve as a useful training tool and reference for students, apprentices, and professionals in the trade. (0826919103) **\$80.00**

STRUCTURAL STEEL INSPECTOR'S WORKBOOK, 2014 ED. (9781609836009) **\$44.95**

PRACTICAL SHEET METAL LAYOUT: TODAY'S FORTY MOST

FREQUENTLY-USED FITTINGS, 6TH ED. VOLUME I - This book is particularly helpful to the sheet metal worker, apprentice, or student who is learning to make these fittings. (091291467X) **\$72.95**

SHEET METAL LIBRARY-TODAY'S 40 MOST FREQUENTLY-USED FITTINGS, 5TH ED. VOLUME II (0912914424) **\$72.95**

PRACTICAL SHEET METAL LAYOUT: ROUND FITTINGS USED TODAY 4TH ED. (0912914688) **\$59.95**

