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Chapter 1

Introduction

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INTRODUCTION

The first iteration of the D1.1 code, *The Code for Fusion Welding and Gas Cutting in Building Construction*, was published by the American Welding Society in 1928. Since that time, the D1.1 has undergone numerous revisions, upgrades, and name changes, ultimately culminating in the latest version: AWS D1.1/ D1.1M:2015, *Structural Welding Code – Steel*. Individuals who seek certification as a Certified Welding Inspector (CWI) need to select a code for the Part C: Code Applications Exam. This Code Clinic Reference Manual (CCRM) is designed to guide individuals through the D1.1/D1.1M:2015 code and provide them with the strategies and skills necessary to competently navigate the D1.1 code in an exam or at work. From here forth, the use of D1.1 implies the D1.1/D1.1M:2015 edition. While many of the techniques and advice provided in this reference manual can be applied to virtually any code and specification, the information contained herein is meant to solely reference the AWS D1.1. This edition of the D1.1 Code Clinic Reference Manual supersedes previous editions of the CCRM.

The skill set obtained through this program, as either part of the AWS Certified Welding Inspector Seminar or through individual self-study, will allow individuals to quickly and accurately identify specifications related to their current code work. The purpose of the D1.1 Code Clinic Reference Manual is both to prepare the individual to sit for the “Code Applications Exam” portion of the Certified Welding Inspector examination or the D1.1 endorsement exam. Endorsements are supplemental inspection credentials available to all AWS Certified Welding Inspectors (CWIs) and Senior Certified Welding Inspectors (SCWIs) to enhance an individual’s credentials. For instance, a CWI or SCWI may demonstrate competency in additional AWS, ASME, or API codes and list this endorsement on their wallet card.

OBJECTIVES

The express purpose of the Code Clinic Reference Manual is to instruct the reader on efficiently and effectively navigating the D1.1 code. By the end of the program the reader should be able to:

- 1) Identify the nine (9) clauses of the D1.1 code and describe the content of each clause.
- 2) Effectively implement the system taught in this reference manual for identifying keywords.
- 3) Utilize the index, table of contents, and list of tables and figures to identify specific areas of the code.
- 4) Differentiate information located in the D1.1 text, tables, and figures.
- 5) Prepare the D1.1 code for a given examination by tabbing and highlighting the appropriate sections.
- 6) Confidently, efficiently, and accurately navigate the D1.1 code.

WHAT THIS BOOK IS NOT

While the D1.1 Code Clinic Reference Manual is designed to provide a thorough examination of navigation techniques and methodologies, the CCRM is **not**: