

# The Everyday Pocket Handbook for Visual Inspection of AWS D1.1 Structural Welding Code's Fabrication and Welding Requirements



Number 6 in a series

Excerpted requirements selected as a useful tool for on-the-job welding personnel by the AWS Product Development Committee

# Introduction

The inspection requirements for the fabrication and welding of steel structures are very extensive. This Pocket Handbook has been developed to provide a useful tool for inspectors to carry in their pockets or tool kits so that selected pertinent portions of the *AWS Structural Welding Code—Steel*, D1.1/D1.1M:2004, can be easily referenced at the job site. Underlining is as shown in the code.

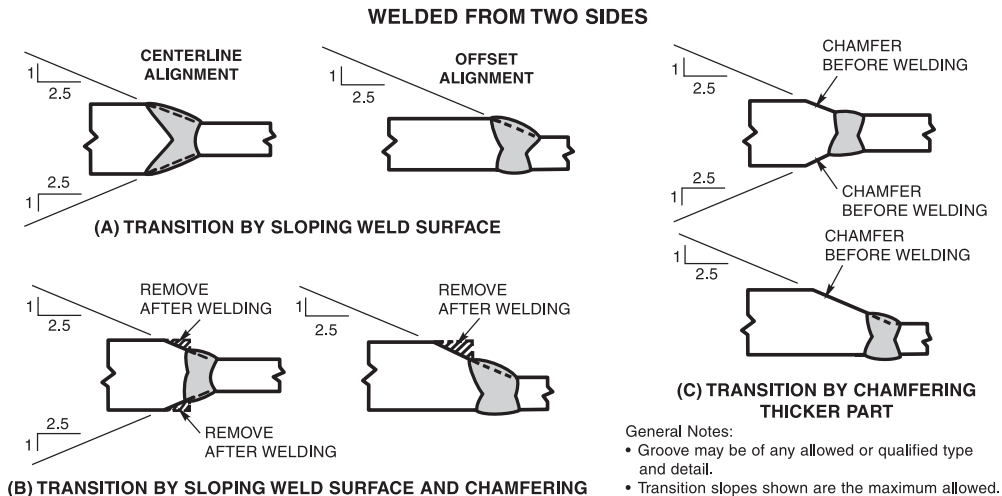
This publication is not to be considered as a substitute for the D1.1 code book. Rather, the Handbook is provided as a supplemental aid for the “deckplate” inspector. Only the complete code should be considered as the official document to ensure that all of the quality attributes required for structural fabrication are performed correctly and completely.

To assist the inspector, or other user, in verifying conformance to D1.1, the paragraph references, the table numbers, and the figure numbers contained in this book are directly from the D1.1/D1.1M:2004 code. In addition, page numbering in this handbook is cross-referenced to reflect both the current page and the corresponding page from the D1.1/D1.1M:2004 code, separated by a “/.” This will provide an easy cross reference for the user to ensure that the complete requirements are understood when questions develop during the course of any inspection.

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# Requirements for Transitions Between Materials of Unequal Thickness



**Figure 2.21—Transition of Thickness of Butt Joints in Parts of Unequal Thickness (Tubular) (see 2.25 [pg. 22])**

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