American Welding Society

550 NW LeJeune Road *Miami, Florida 33126*

AWS D1.1 Interpretation

Subject: Prequalified Skewed T-Joints
Code Edition: D1.1-79
Code Provision: Subsection 2.7.4, Figure 2.7.1
AWS Log: D1-85-026

Inquiry: Are welds made in skewed T-joints, (e.g, Figure 2.7.1), where the groove angle is less than 60^{o}, accorded prequalified status?

Response: Yes. Welds made in skewed T-joints, where the groove angle is less than 60^{o}, are accorded prequalified status provided that the welds are made with a prequalified joint welding procedure in accordance with 5.1.1 and the welder is qualified for groove welding.

AWS D1.1, Structural Welding Code—Steel, is prepared by the AWS Structural Welding Committee. Because the Code is written in the form of a specification, it cannot present background material or discuss the committee's intent.

Since the publication of the first edition of the Code, the nature of inquiries directed to the American Welding Society and the Structural Welding Committee has indicated that there are some requirements in the Code that are either difficult to understand or not sufficiently specific, and other that appear to be overly conservative.

It should be recognized that the fundamental premise of the Code is to provide general stipulations applicable to any situation and to leave sufficient latitude for the exercise of engineering judgment. Another point to be recognized is that the Code represents the collective experience of the committee; and, while some provisions may seem overly conservative, they have been based on sound engineering practice.