

Demonstrate proper rod travel and work angles for the joint being welded.

Differentiate between welding rods and amperages used for root welds, cover passes, vertical up and overhead joints.

3. Model proper use of single pass and multiple pass welding techniques in the vertical up/down, overhead in 3F, 4F, 3G, 4G and 6G on pipe.

Learning Objectives

Describe single pass and multiple pass welding sequence for vertical up/down, overhead and pipe welding.

Utilize all materials and steps necessary to perform a single pass weldment and multi-pass weldment.

Demonstrate proper welding techniques for welding pipe in the 1G, 2G, 3G, 4G and 6G positions.

4. Prepare for American Welding Society D 1.1 certification test.

Learning Objectives

Practice 3G, 4G with and without backer along with 6G pipe tests to pass AWS D 1.1.

Construct final weld coupon for testing in the positions listed above.

Identify defects that may occur during practice weld test and correct the defect.

SCC Accessibility Statement

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