

ASSESSMENT/COMPETENCY RECORD

GTAW STEEL PRACTICES

BTC: WLD 243 (2 credits)



Students will demonstrate the GTAW process using sheet metal in the 2F and 3F positions. .

STUDENT NAME _____

SCHOOL NAME _____

HIGH SCHOOL WELDING LAB:

- ___ Demonstrate safe and effective welding and shop working practices.
- ___ Demonstrate use of proper welding-related terminology related to the GTAW process.
- ___ Explain what makes Tungsten a good electrode.
- ___ Demonstrates proper set-up of welding power source.
- ___ Demonstrates proper and safe use of welding and fitting tools.
- ___ Demonstrate proper equipment set-up & trouble-shooting of a GTAW system.
- ___ Demonstrate proper Tungsten preparation.
- ___ Demonstrate that proper welding wire & alloy is being used for welding base metal alloy & thickness of material selected.
- ___ Demonstrate proper joint preparation for GTAW of steel.
- ___ Demonstrate competency in GTAW techniques with solid wire on steel in the Flat, Horizontal and Vertical Fillet positions.
 - ✓ Weld deposited with complete fusion
 - ✓ Bead shape is slightly convex and uniform in appearance
 - ✓ Weld is free from slag, undercut, cracking & porosity
 - ✓ Proper overlapping with a uniform appearance

HS Instructor Verifies student has Achieved All Competencies

Grade

Date

Comments:

This document certifies the student completed the required coursework as defined by the Whatcom Tech Prep Articulation Agreement and has demonstrated mastery for college credit.

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