

<b>Job Description</b>	<b>Metal Fabrication</b>  Participant will draw a pattern on a mild steel plate, set up torches, cut out the pattern, grind a bevel, use a butt weld to complete weld, clean work area, and notify evaluator when complete.
<b>Administration Time</b>	60 minutes
<b>Equipment, Supplies, or Materials Required</b>	<ul style="list-style-type: none"><li>• All necessary protective clothing and safety equipment<ul style="list-style-type: none"><li>○ Face shield</li><li>○ Shade 5 glasses</li><li>○ Welding helmet shade 10-13</li><li>○ Gloves</li><li>○ Long cotton sleeve</li><li>○ Leather work boots</li><li>○ Long pants</li><li>○ Hair tie, if appropriate</li></ul></li><li>• One piece of mild steel plate (per participant) 1/4-inch by 5-inch square</li><li>• Provide an oxyacetylene cutting rig with the proper tip for this job</li><li>• Soapstone</li><li>• Steel ruler</li><li>• Tool for measuring beveled edge</li><li>• MIG welder (gas shielded) with appropriate wire</li><li>• Grinder</li><li>• Slip joint pliers</li><li>• Striker or torch lighter</li><li>• Chipping hammer with wire brush</li><li>• Appropriate cutting table</li><li>• Appropriate welding table</li><li>• Appropriate ventilation</li></ul>