

US DOL SPONSORED TAACCCT GRANT: TC23767

RELEASE DATE

10/06/2015

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Gas Tungsten Arc Welding (Steel and Stainless Steel-Flat and Horizontal)

PRIMARY DEVELOPER: Kevin Ridge, Welding Instructor, Henry Ford College

Project 1 – Specification and Print

Weld Type	Square Groove			
Welding Process	GTAW			
Position	Flat			
Material	1/8" Steel			
Joint Type	Butt			
Backing Option	РЈР			
Backing Material				

Polarity	DC+
Electrode	ER70s-6
Transfer Mode	
Tungsten Electrode	2% Ceriated
Shielding Gas	100% Argon
Flow Rate	25 cfh
Cup Size	

Welding Procedure											
Weld Layers	Pass No.	Process	Filler Metal Classification	Filler Metal Diameter in (mm)	Current Amps	Current Type and Polarity	Wire Feed Speed	Volts	Remarks		
Stringer	Butt	GTAW	ER-70s-6	1/16"	120a	DC+					





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Heat Treatment:

Preheat Temperature:

Post Heat Temperature:

Interpass Temperature: Quench after 2-3 passes

Stress Relieving:

Technique: Butt Joint single pass weld

Number of Electrodes: whatever it takes

Additional Notes: Show instructor progress every 30 minutes, minimum.





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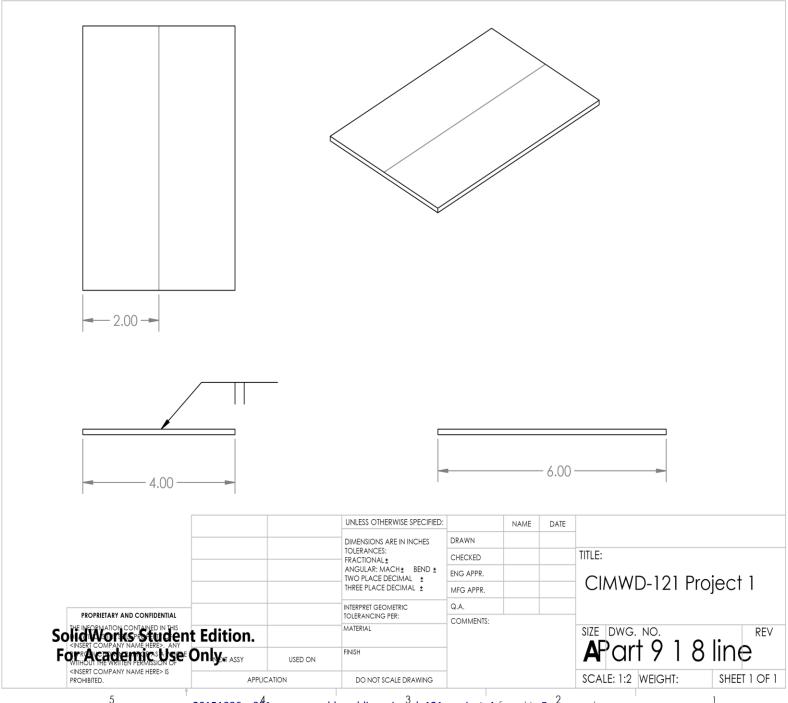
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