

Multi-State Advanced Manufacturing	RELEASE DATE	10/07/2015	
Consortium	VERSION	v 001	
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PRIMARY DEVELOPER: Kevin Ridge, Welding Instructor, Henry Ford College			

Project 2 – Specification and Print

Weld Type	Fillet
Welding Process	GTAW
Position	Vertical
Material	1/8" Steel
Joint Type	Lap
Backing Option	
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	Lap	GTAW	ER-70s-6	1/16"	120a	DC+			





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Heat Treatment: Preheat Temperature: Post Heat Temperature: Interpass Temperature: Stress Relieving: Technique: Lap Joint single pass weld in vertical up

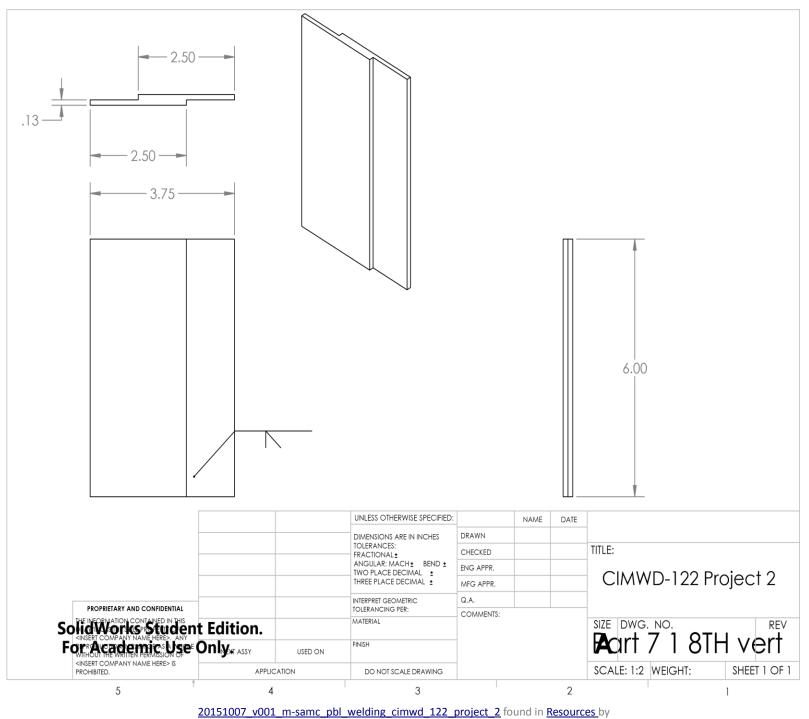
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Additional Notes: Show instructor progress every 30 minutes, minimum.



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