

Multi-State Advanced Manufacturing	RELEASE DATE	10/07/2015	
Consortium	VERSION	v 001	
US DOL SPONSORED TAACCCT GRANT: TC23767	PAGE	1 of 4	
PRIMARY DEVELOPER: Kevin Ridge, Welding Instructor, Henry Ford College			

Gas Metal Arc Welding (Vertical and Overhead Welding)

Project 4 – Specification and Print

Weld Type	Fillet
Welding Process	GMAW
Position	Vertical
Material	1/8" Steel
Joint Type	Lap
Backing Option	
Backing Material	

Polarity	DC+
Electrode	ER70s-6
Transfer Mode	Short Circuit Transfer
Tungsten Electrode	
Shielding Gas	75% Argon/25% CO2
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
Weave	Lap	GMAW	ER-70s-6	.035″		DC+	50	6	





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Heat Treatment: Preheat Temperature: Post Heat Temperature: Interpass Temperature: Quench between passes Stress Relieving: Technique: Lap Joint use stringer bead in vertical down

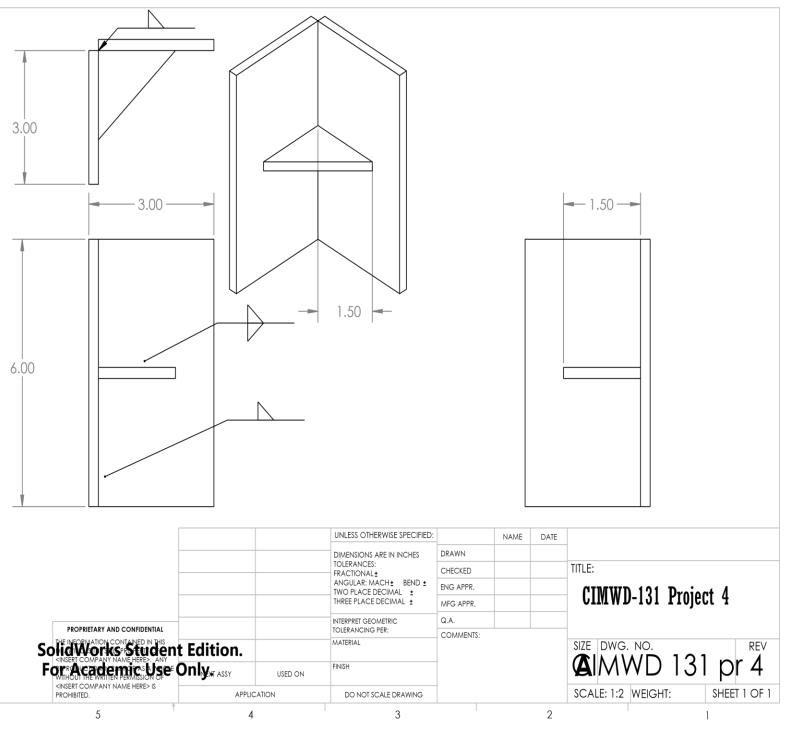
Additional Notes: Show instructor progress every 30 minutes minimum.



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