

US DOL SPONSORED TAACCCT GRANT: TC23767

RELEASE DATE

10/07/2015

VERSION

v 001

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Gas Metal Arc Welding (Flat and Horizontal)

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

Project 5 – Specification and Print

Weld Type	Vee Groove Weld				
Welding Process	GMAW				
Position	Flat				
Material	1/4" Steel				
Joint Type	Butt				
Backing Option	РЈР				
Backing Material	1/8" Steel				

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
Stringer	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: Butt Joint filled with stringer beads till just over flush

Additional Notes: Show instructor progress every 30 minutes minimum.





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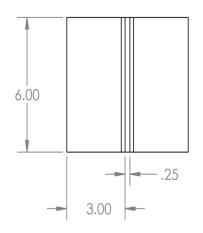
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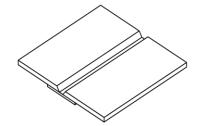
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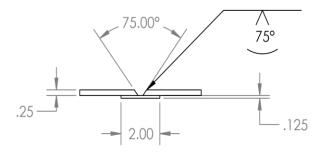
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NOTE: OFC LINE BURNER
37 1/2° BEVEL CUT
1/8 BACKER WITH PAC PROCESS
TACK WITH GMAW
Weld per the WPS

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				UNLESS OTHERWISE SPECIFIED:		NAME	DATE				
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