

US DOL SPONSORED TAACCCT GRANT: TC23767

RELEASE DATE 10/08/2015

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Tool and Die Welding (GTAW)

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

Project 1 – Specification and Print

Weld Type	Pad Build-Up
Welding Process	GTAW
Position	Flat
Material	1/4" Steel
Joint Type	
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	
Pad		GTAW	ER70s-6	1/16"	130a	DC+				





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Heat Treatment:

Preheat Temperature:

Post Heat Temperature:

Interpass Temperature:

Stress Relieving:

Technique: A pad build up using stringer beads. Looking for bead quality and bead placement.

2"x2"x1" high.

Additional Notes: Show instructor progress every 30 minutes minimum.





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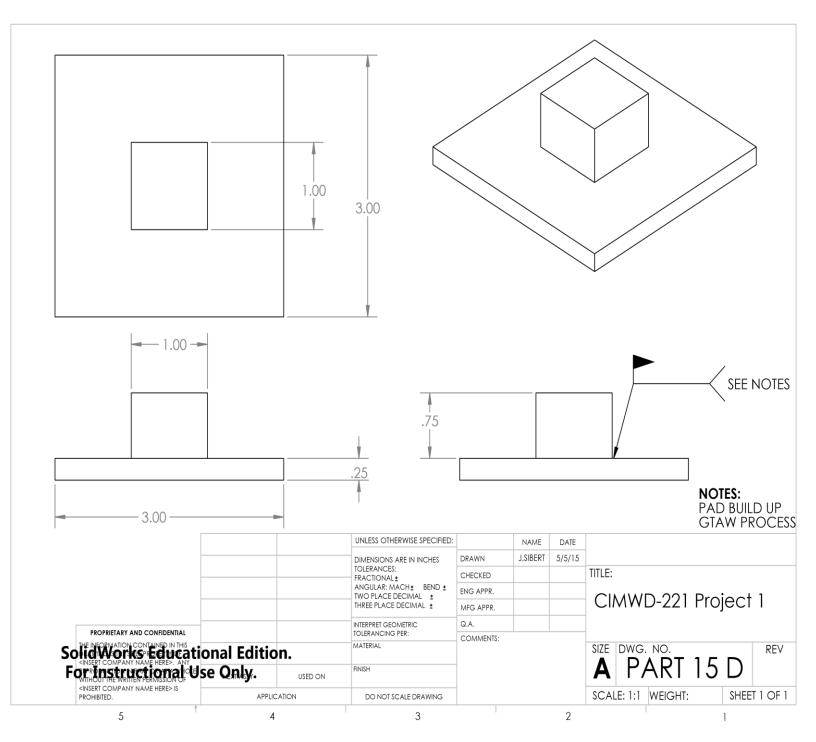
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