

US DOL SPONSORED TAACCCT GRANT: TC23767

RELEASE DATE

09/09/2015

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Shielded Metal Arc Welding – Flat and Horizontal

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

Project 2 - Specification and Print

Weld Type	Plug Weld
Welding Process	SMAW
Position	Flat
Material	¼" Steel
Joint Type	
Backing Option	
Backing Material	

Polarity	DC+
Electrode	E7018 3/32
Transfer Mode	
Tungsten Electrode	
Shielding Gas	
Flow Rate	
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			
Till Filled		SMAW	E7018	3/32	75a	DC+						







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Technique: Stringer or Weave Bead- Stringer till filled

Initial/Interpass Cleaning: Chip and Brush

Number of Electrodes: 1-2

Heat Treatment:

Preheat Temperature:

Post Heat Temperature:

Interpass Temperature: Quench after 2-3 passes

Stress Relieving:





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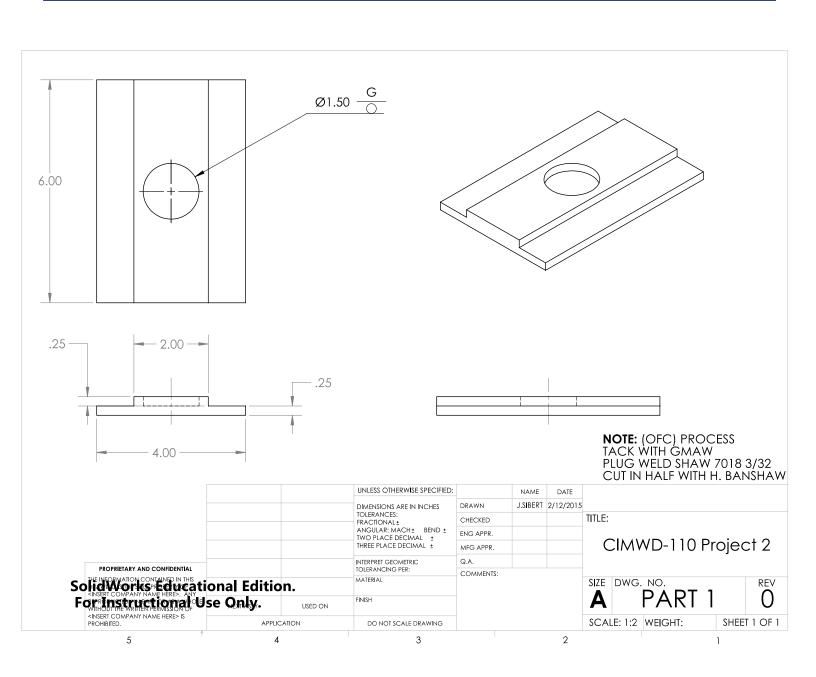
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