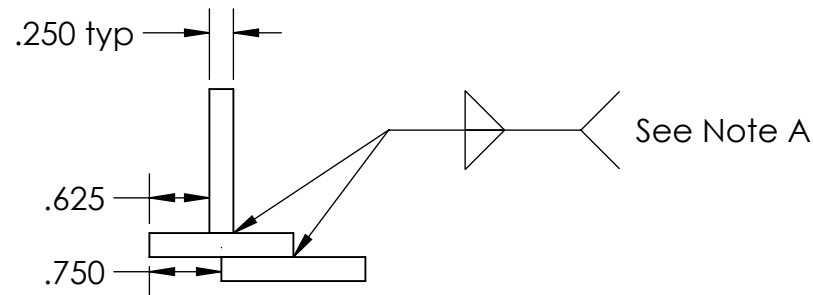
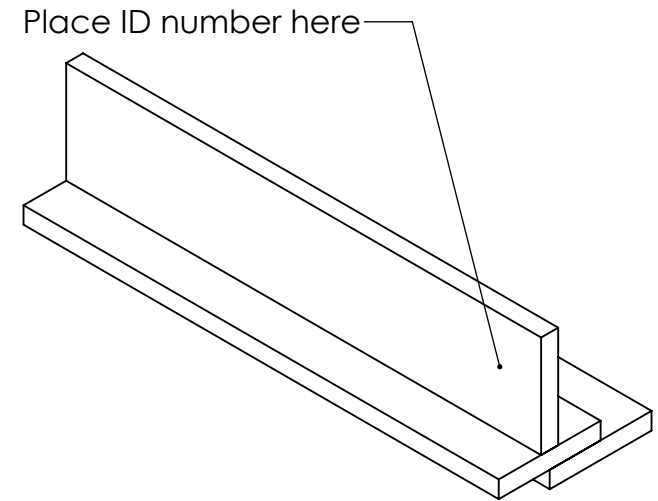
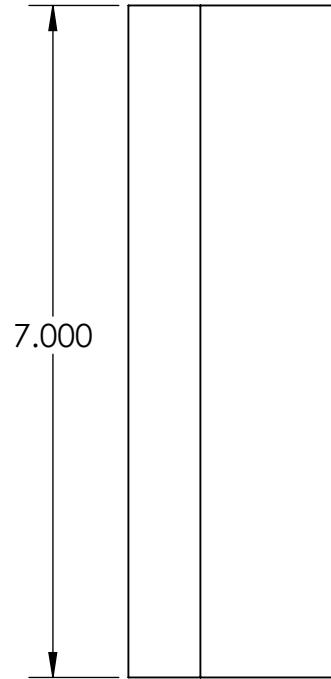
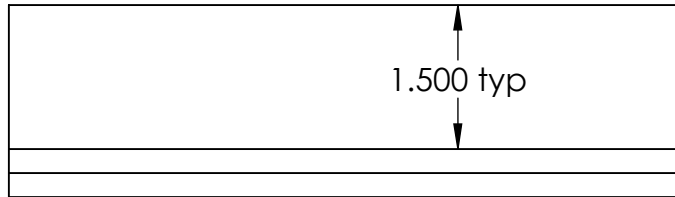


**Directions:**

1. Cut 3 pcs 1.5"x7"x1/4" plate
2. Tack and weld in any order
3. Label with ID number and turn in both this print and your deburred and finished part

Note A: Use FCAW for all welds and label what filler wire was used for each of the following, use only one type of filler wire for each individual joint

Arrow side lap- \_\_\_\_\_  
 Other side lap- \_\_\_\_\_  
 Arrow side tee- \_\_\_\_\_  
 Other side tee- \_\_\_\_\_



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  FCAW filler wire quiz		
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: BEND ±1 degree TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.001	DRAWN	CP	3/16			
			CHECKED					
			ENG APPR.					
			MFG APPR.					
			Q.A.			SIZE <b>A</b>		
		MATERIAL	COMMENTS:					
		FINISH						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:2				SHEET 1 OF 3	

# FCAW Log

## Objectives:

1. Demonstrate how to properly set up a FCAW welding station.
2. Identify three differences in an FCAW weld when the gun angle is changed.
3. Explain the effect electrode extension has on FCAW aluminum welding.
4. Demonstrate how to properly make FCAW welds in all positions.

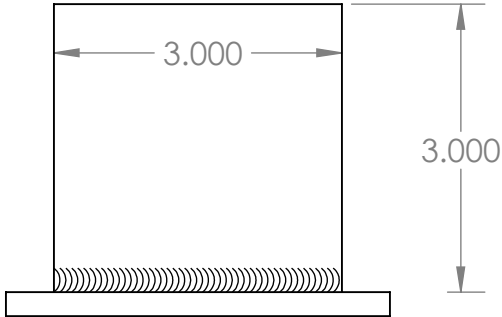
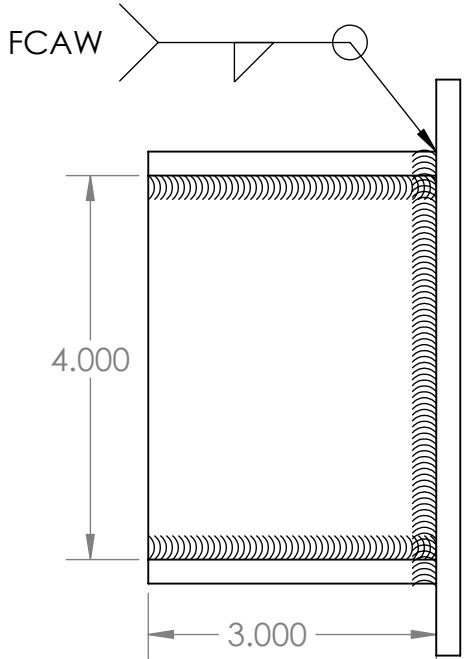
## Grading:

1. You must have no less than 6 hours recorded to pass.
2. You must complete the FCAW test and hand in the test grading sheet.
3. You must turn in the completed FCAW quiz.

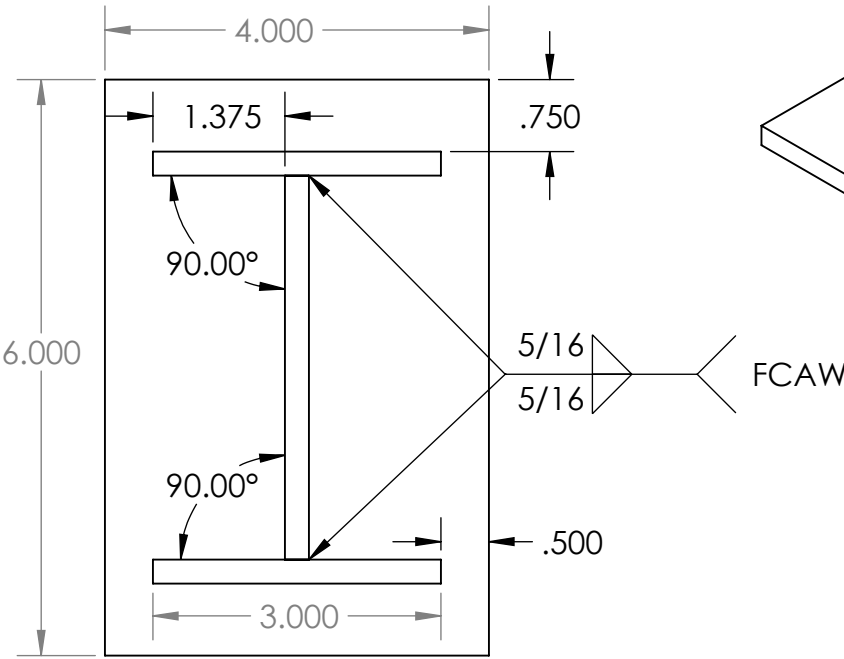
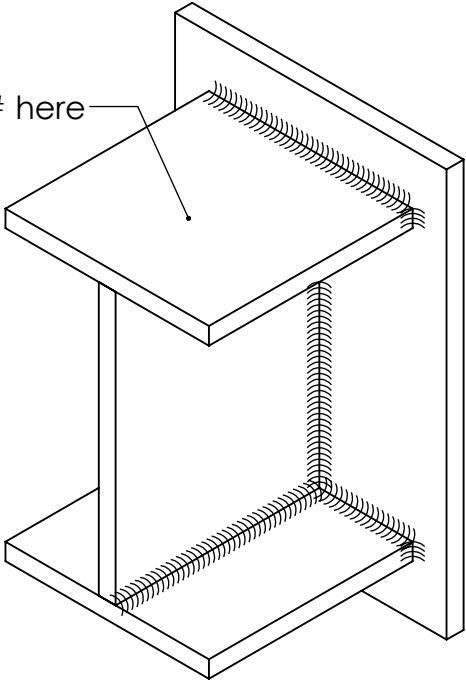
Date	Filler Wire Used	Welding Position	Time

Directions:

1. Cut 2 pcs-3"x3"x1/4" plate  
Cut 1 pc-4"x6"x1/4" plate  
Cut 1 pc-3"x4"x1/4" plate
2. Tack and weld the "I" beam first
3. Tack and weld "I" beam to backing plate in upright position
4. Debur, grade and turn in

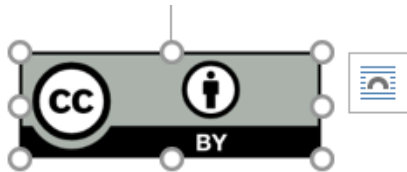


Place ID # here



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  FCAW Test		
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: BEND ±1 degree TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.001	DRAWN	CP	3/16			
			CHECKED					
			ENG APPR.					
			MFG APPR.					
			Q.A.			SIZE DWG. NO. REV		
		MATERIAL	COMMENTS:					
		FINISH						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2 SHEET 3 OF 3		



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