

HILMAR HIGH SCHOOL

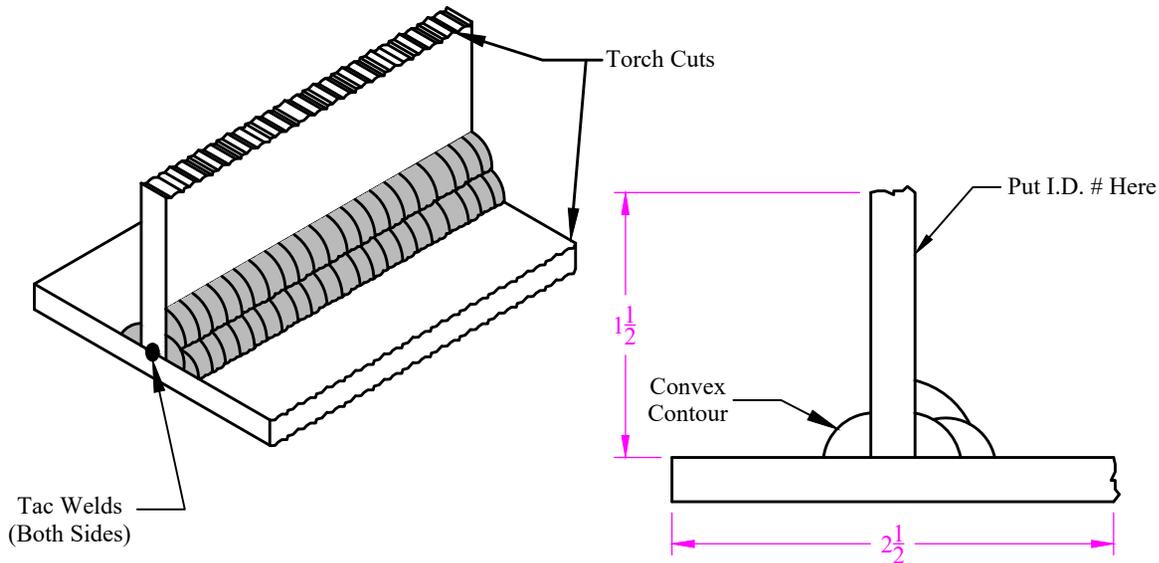
Arc Welding

Tee/Fillet Joint

NAME:

DATE:

I.D #:



Materials:

- 1- $\frac{3}{16}$ " or $\frac{1}{4}$ " plate, 4" x 4"
- 6011 or 6010 x $\frac{1}{8}$ " welding rod

Instructions:

1. Make sure you have on hand the appropriate safety gear and to wear it at all times.
2. Use the O/A torch to cut the plate into 2 pieces as indicated in the diagram.
3. Perform a single pass fillet weld on one side and a tripple pass fillet weld on the other (as indicated on the diagram).
4. Weld will be graded on correctness, uniformity, smoothness, and placement.
5. General Consideration is given to layout, neatness, and overall workmanship.
6. Be sure that your ID # is stamped on the project.

O/A Cuts	(10)	
Bead Uniformity	(10)	
Bead Correctness	(10)	
Single Pass	(20)	
Tripple Pass	(30)	
Convex Contour	(10)	
General Consideration	(10)	
TOTAL SCORE = (100)		