

Welding Rubric					
	Advanced 4 points	Proficient 3 points	Basic 2 points	Below Basic 1 points	Total Points
Slag removed 100% All slag chipped. Weld bead is clean.	Advanced Bead is clean, Has been chipped and wire brushed.	Proficient Bead is somewhat clean. Minimum slag at the edges of the bead.	Bead needs major chipping and brushing.	Below Basic Shows little care about quality.	Total Points
Weld width and height: 100 % Uniform width and thickness throughout the entire length of each weld.	Advanced Bead is uniform width all along the length of each weld. Has a smooth appearance.	Proficient Bead maintains width and length. Shows some small blemishes along the weld.	Basic Not a uniform thickness through out the weld. Thickness goes to extremes.	Below Basic Weld is cut off in places, not uniform along the weld. Shows bare spots.	Total Points
Appearance 100 % Smooth with uniform dense ripples, doesn't show the bead traveling to fast or slow.	Advanced Weld shows a constant speed and uniformity the entire length.	Proficient Weld shows a constant speed with some blemishes that are minimal.	Basic Weld shows definite areas of speeding up and slowing down. Ripples tend to be coarse.	Below Basic Weld has been done to fast or to slow. Weld is not complete. Trapped impurities in the weld.	Total Points
Face of bead: 100 % Convex, free of voids and high spots, shows uniformity throughout the bead.	Advanced Has a nice rounded look. Is not overly high, or low. Bead covers a wide area of each weld.	Proficient Bead is well rounded, mostly uniform over the length of the weld. Shows some high spots and low spots.	Basic Bead shows many high and low area's. Total lack of uniformity throughout the weld.	Below Basic Weld does not blend into one single bead.	Total Points
Edge of bead 100 % Good fusion, no overlapping or undercutting.	Advanced Sides and edges are smooth blending into each weld. Undercutting is kept to a minimum, Weld does not float on surface.	Proficient Moderately smooth blending. Undercutting and float are present. Strength of the weld is still strong.	Basic Float and undercut are very apparent. Weld lacks strength and flow.	Below Basic Metal is burned through. Weld has no connection to metal.	Total Points
Beginning and ending full size 100 % Crater well filled.	Advanced End of each weld is complete, the line doesn't taper off.	Proficient Weld ending is full but shows some tapering and a crater present.	Basic Crater distinctly present at the end of the bead.	Below Basic Metal is burned through at the end.	Total Points
Surrounding Plate 100 % Welding surface free of spatter.	Advanced Spatter is kept to a minimum.	Proficient Some spatter is present but not displeasing.	Basic Spatter is in large amounts.	Below Basic Spatter takes away from the integrity of the weld.	Total Points
Penetration 100 % Complete without burn through	Advanced Weld penetrates deep into the metal and adds strength and fusion to the edges and depth.	Proficient Weld penetrates deep but does not re surface through the bottom of a jointed welds.	Basic Weld is uneven in depth, lacks uniformity along weld length.	Below Basic Weld floats on top of the metal. Has no strength.	Total Points