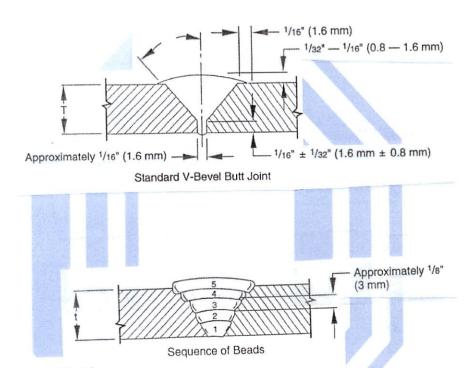
## CONSTRUCTION: JOINING OF PIPES BY WELDING

	Issued: _	2-18-08	Revised:	N	umber:5	GH Page:	:
STAN	IDARD	WELDI	NG PROCE	OURE SPE	CIFICAT	ION #_!	5GH
B. M C. C D. J E. F F. E G. F H. C	Material: Diameter Joint Desi Filler Met Electrode Electrical Position: Direction Number o	API-5L Cand Wall gn: Star cal and N e E6010 o or Flame Fixed Ho of Welding	g: Vertical Do : 1	thru 12" a ove 30 deg ds: Electro S Class A5.: D.C. Rev	grees ode Classifi 1-A5.5 verse Polari	ication ty, Electro	de Positive
X. T L. R M. C P. N. S O. *	B minutes Type of Li Removal of Cleaning: Dower but Speed of Preheat, De done w De done w De done w De stringer Dooled to	maximur ne-Up Cla of Line-Up Taper gr ff all rema Travel: S Stress Re vith device n 2" back elded piper beads.	m when temperamp: External Clamp: After ind starts and ining passes. Tring bead 10 elief: Maximun e or equipment from pipe ender	50% comporations of 300°F. which will less. be temporations of the sound of the sou	pletion of standard flatten crowns per minuted Minimum of the standard from the stan	tringer bead vn by grind te maximur of 150°F. P circumferer to prevent om moistur	ling stringer bead  m.  Preheating shall  nce(s) in single  air draft cooling  e until it has
			stress relief if of X-Rated pip Number:!		to 600°F.	ceeds 32%	or C+1/4 Mn

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Note: Dimensions are for example only.

Bead No.	Electrode Diameter	Amperage Range	Voltage Range	Type Rod	Notes
1	1/8	100-125	28-35	E6010 5P+	
2	1/8	85-110	25-35	E8010 70+	
3	1/8 **	100-115	20-30	E8010 70+	
4	5/32	105-135	20-35	E8010 70+	
5	*				

o.	Notes			
	Additional passes may be made using 8010 70+ 3/16 at amperage			
	Range 132-170 and 25-35 volt range			
k	Pass 3 may be made with 5/32 at same settings as pass #4			