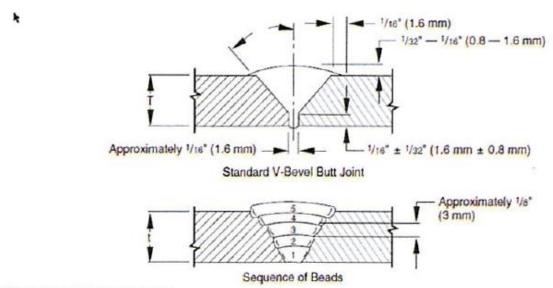
## CONSTRUCTION: JOINING OF PIPES BY WELDING

	Issued:	3-03-2008	Revised:	12-13-2022	Number:	7B	Page:
STA	NDAR	D WELDII	NG PRO	CEDURE S	PECIFICAT	ΓΙΟN #	t: 7B
A.	Process	: Manual Elec	ctric Arc				
В.	Materia	l: API-5L G	rade A thru	X42	4.7		
C.	Diamete	er and Wall T	hickness: 2	3/8 thru 6 5/8	and less than	0.188 W	/T thru 0.500 WT
D.	Joint De	sign: Standar	d Vee Groo	ve 30 degree	es	L	
E.		etal and Num ass A5.1 Mir			assification El	ectrode	E6010 & E8010
F.	Electrica	al or Flame Cl	haracteristic	s: D.C. Reverse	e Polarity, Elec	ctrode Po	ositive
G.	Position	: Inclined 45	degrees				
Н.	Directio	n of Welding	: Vertical Do	own			
I.	Numbei	r of Welders:	1				
J.		-				n stringe	r and hot pass; 3
				rature is below	35° F		
K.		Line-up Clam					
L.		•	•	50% completi	_		
M.				craters and fla	tten crown by	grinding	stringer bead,
	•	ouff all remain					
N.	-		_	inches per min			
0.		•		-			eating shall be
		tion 2" back fi		which will heat	. entire circuit	nerence	s) in single
Р.					v canned to n	revent ai	r draft cooling of
• •			_				til it has cooled to
	_						velocity near it
	does no	t exceed 8mp	oh.				
*	X-rated	pipe must be	stress relie	f if the carbon	content exce	eds 32%	or C+1/4 Mn
	exceeds	65%. Heatin	g of X-rated	pipe is limited	l to 600°F.		
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Note: Dimensions are for example only.

Bead	Electrode	Amperage	Voltage		
No.	Diameter	Range	Range	Type Rod	Notes
1	1/8	95-110	22-30	E6010 5P+	
2	1/8	105-115	24-40	E8010	
3	1/8	105-120	25-40	E8010	
4	1/8	105-135	25-35	E8010	
5					

Bead													
No.							N	otes					
	Elect	rodes n	nay b	e substiti	uted	within	rod grou	ıp 1&2	of AW	S A5.1-A	\5.5		
	•												

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WE	LD TEST RE	PORT	(USE SEPARATE FORM FOR EACH WELDING PROCEDURE)											
DATE			WELDER'S NA		SOCIAL SECURITY NUMBER									
	3- <i>3-0</i>	g	Der			2519								
LOCA	•			TRACTOR OR CO	ED D	REQUALIFYING TEST 29  QUALIFYING TEST 12 LII			LIN	INE TEST 🔾				
POSITION ELECTRIC ARC ENDO					<b>2</b>	WEATHER	TEMPERATURE	TIME OF DAY			WIND BREAK USED			
INCL	INED 12 HORIZ	FIXED CA CONTAL	OX-ACETYLEN	E OUTDOO	RS 🗆	d	72	Mo	M		1	1/2		
	SPECIFICATION	_	PIPE MANUFAC	TURER		WALL THICK		DIAMETE	R (00)		WEIGHT PER FOOT			
	E OF WELDING M		SIZE	MAKE OF OX-A	CETYLENE	VELDING NO	OX-ACETYLENE PRESSURE FLOWING				97			
,	w.	romme	.70	APPARATUS	NA	WELDING NO.	a succession	QUALIFYING 7					FOR	
_	ND OF ELECTROD	Œ		ACETYLENE ROI	D AND SIZE	NUMBER OF	TYLENE WELD WELDING PROCE							
List			14	la			78			7 B	Duch			
		ELECTRODE 1	TYPE AND SIZE	E AND SIZE MACHINE S			SETTINGS AMPERAGE			GE RG. VOLTAGE RG				
					COARSE	FINE								
PIPE WELD	STRINGER	STRINGER SPLW 5P+			20190	40	90-11	90-115		-35				
븚	HOT PASS	18 Lin	70+		120-190	50	100-1	R	20	-43				
	FILLER (S)	18 Lie	70 F		120-190	55	105-12		20	- 12	5			
_	CAP PASS	18 List	70 t		120-190	40	100-1	35	20	2-45	5			
so	LOCATION	LENGTH	WIDTH	CROSS SEC. AREA SQ. IN.	LOAD	%'ELONG.	COMPUTED TENSIL PSI		REMARKS			AC- CEPTED	RE- JECTED	
	171	8"	/"	,280	17,500	2090	62,500	No det		cet	-			
ENSILE TESTS	2 B./	8"	/"	,280	17,500	15%	62,500	No defa		+	_			
TENSII	3											$\perp$	_	
	4 COUPON						REMARK					AC.	RE-	
	LOCATION		TYPE OF BEND		ļ	,	5				CEPTED	JECTED		
	1/2	Fac	ح		Alo	fet					V	_		
BEND TESTS	2 73	Poè	4		No	def					~	_		
8	3 B2	FAC	e		1/0	det					-			
æ	483	Par	1		A/	2 del								
_	COUPON LOCATION				1	REMARKS					AC- CEPTED	RE- JECTED		
REAK TESTS	174	,	lesa/		defa	+5					~	_		
	, B4	4	CAN		"						_	_		
NCK-B	3													
-	4													
TEST	SIZE AND WALL THICKNESS OF MAIN G			GAS PRESSUR	E ON MAIN PSIG	LOCATION OF FRACTURE WELD CO. NIPPLE CO.				MAIN 🗆				
TEE WELD TEST		HOLES	COLDROLL	TU		DEPTH OF UND	ERCUT		LEN	IGTH OF UN	IDERCUT			
1	REMARKS ON 1	TEE WELD		,										
PIPE WELD QUALIFIED NOT QUALIFIE					CTRIC ARC ACETYLENE	0	TEE WELD	QUALIFIE NOT QUA			CTRIC ARC			
TESTED BY SIGNATURE			Mas	shop	TITLE	100								