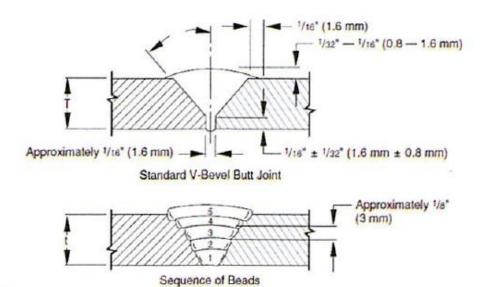
CONSTRUCTION: JOINING OF PIPES BY WELDING

	Issued:	8/13/07	Revised:	12/13/2022	Number:	5GH	Page:	
STA	NDARD	WFLDII	NG PRO	CEDURE S	PECIFICA	ATION #	t: 5GH	
J . / t		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		CEDONES				_
Α.	Process:	Manual Elec	ctric Arc		F.A			
В.		: API-5L Gr		X42				
C.				" thru 12" & 0).188 thru 0	.500 WT		
D.	Joint Des	ign: Standar	d Vee Groo	ve 30 degrees	S	74. No.		
E.	Filler Me	tal & Numbe	er of Beads	: Electrode Clas	sification	Electrode E	6010 & 8010 AW	S
	Class A 5	.1 — 5.1						
F.	Electric o	r Flame Cha	racteristics	: D.C. Reverse	Polarity Ele	ectrode Pos	sitive	
G.	Position:	Fixed Horizo	ontal					
Н.		of Welding		own				
I.		of Welders:						
J.	-					een stringe	r and hot pass;	
				perature is belo	w 35°F			
Κ.		ine-Up Clam						
L.		•		r 50% complet				
M.	_				tten crown	by grinding	g stringer bead,	
N.	•	uff all remain	• .	12 inches per r	minuto may	imum		
ο.	•		-				it shall be done	
0.		•					single application	
		rom pipe en		i wiii iicat ciitii	c circumici	chec(3) iii s	ingle application	
Р.				l be temporarily	v capped to	prevent ai	r draft cooling of	
			_	· ·			ntil it has cooled to	כ
	_						velocity near it	
		exceed 8mg						
*	X-Rated	pipe must be	e stress reli	ef if the carbon	content ex	ceeds 0.32	% or C+1/4 Mn	
	exceeds	0.65% Heat	ting of X-Ra	ted pipe is limi	ted 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	100-125	28-35	E6010 5P+	
2	1/8	85-110	25-35	E8010	
3	1/8 **	100-115	20-30	E8010	
4	5/32	105-135	20-35	E8010	
5	*				

Bead														
No.							N	otes						
	Elect	rodes m	nay be	substi	tuted	withir	rod grou	ıp 1&2 (of AW	S specifi	catio	n A5.1-A	\5.5	
**	Pass	3 may b	e ma	de with	5,32	at san	ne setting	s as pas	s 4					
*	Addit	ional pa	asses	may be	mad	le usin	g 8010 3/	16 at ar	np rar	nge 132-	170 i	and 25-3	5 volts	

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WE	LD TEST RE	PORT	(USE SEPARATE FORM FOR EACH WELDING PROCEDURE)										
DATE 1-11-08			WELDER'S NAM	SOCIAL SECURITY NUMBER									
LOCA	ALION PUUMPON		West	TRACTOR OR CO	Gas	RIGHT HAND LEFT HANDE		REQUALIFYING TEST (2)			LINE	TEST O	1
	NED HORIZ	FIXED (2) ONTAL		E □ OUTDOO	S O2r	WEATHER &L	TEMPERATURE 75	TIME OF DAY WIND BREA				AK USED	
4	SPECIFICATION T-9L 6	e x42	PIPE MANUFAC	blice		WALL THICK		DIAMETER (40		WEIGHT PE		
1	OF WELDING M		SIZE /	MAKE OF OX-A APPARATUS		WELDING NO	-	OX-ACETYLENE PRESSURE FLOWING					
	DOF ELECTROS	Œ	BRAND OF OX-	ACETYLENE RO	D AND SIZE	NUMBER OF	PASSES DICKE	TYLENE WELD WELDING PROCEDU					ł.
		ELECTRODE 1	TYPE AND SIZE		MAGNIN	SELMINGS.	AMPERAG	E RG.	VOLTA	AGE RO			
				This Molg	SCOOMASE CO	FINE							
PIPE WELD	STRINGER	List. 1	18 5P	+366/60 III	THE WHERING CO	45	100-1	25	28	8-3	5		
ď	HOT PASS	-N. 4	8 70	+	120-190	55	85-11			-35			
	CAP PASS	in. 1/3	,	+	120-190	- 55	100-1			-30			
_		COUPON		CROSS SEC.	120-740 LOAD	% ELONG.	COMPUTED	75		20-35 REMARKS			RE- D JECTED
	LOCATION	LENGTH	WIDTH	AREA SQ. IN.	LOND		TENSIL PSI				, ,	AC- CEPTED	JECTED
TENSILE TESTS	1 7/	8"	-/-	,190	12,500	1590	65, 789	1	6	det	ket_	-	1
	2 / 2	8"	/ 1	. 190	12,000	1590	63,157		<u> </u>		-	-	_
F	4												
_	LOCATION		TYPE OF BEND		REMARKS							AG- CEPTED	RE- D JECTED
	1 81		oot		No defect							0	1
FSTS	2 PZ	RZ Root				Small opening on edge						V	1_
BEND TESTS	3 F/	1-4	e		No defect							-	<u> </u>
_	4 F 2	FAC	2	_do	feet					~	1_		
	LOCATION				F	REMARKS						CEPTED	JECTED
TESTS	1 71	Ol.	HEAN Gray Metal									~	<u> </u>
NICK-BREAK TESTS	2 BN	Sucs	1 2	as po	cket -	edg c	c /44					1	<u> </u>
ŠČĶ	3												
	4												
TEEWELD TEST	SIZE AND WALL THICKNESS OF MAIN GAS			GAS PRESSUR	RE ON MAIN PSIG		LOCATION OF FRACTURE WELD MIPPLE MIPP				MAIN E	1	
	DID WELD CONTAIN; PINHOLES COLDROLL UNDERCUT REMARKS ON TEE WELD				UT		DEPTH OF UNI	DERCUT		LEN	GTH OF UND	ERCUT	
_					COTOLO FOR	-							
_	WELD	NOT QUALIFIED			ACETYLENE	0	TEE WELD	NOT QUALI	FIED D		CTRIC ARC ACETYLENE		
TESTED BY SIGNATUR		SIGNATURE	GI Ma	celek			TITLE	ing Sp	spe-	Too	-		