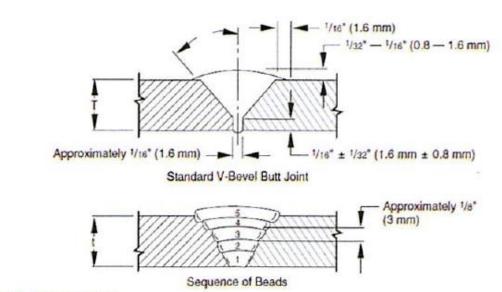
CONSTRUCTION: JOINING OF PIPES BY WELDING

	Issued: _	8-14-2007	_ Revised: _	12-05-2022	Number: _	6Н	Page:				
ST	ANDAR	RD WELD	ING PRO	CEDURE S	SPECIFIC <i>E</i>	ATION	#:	6H			
B. C. D. E.	Diameter Joint Des Filler Met	API 5L of and Wall sign: Startal and Nun	ndard Vee nber of Bea	u X42 Greater that Groove, 30 I ds: Electrod	Degree beve e Classificat	el ion		vall thickness			
F. G. H.	Electrode E6010 and E8010, AWS Class A5.1 – A5.5, minimum of 4 passes F. Electrical or Flame Characteristics: Reverse Polarity, Electrode Positive G. Position: Fixed Horizontal H. Direction of Welding: Vertical Down I. Number of Welders: 1										
J.	Time Lapse Between Passes: Maximum of 5 minutes between stringer and hot pass; 3 minutes maximum when temperature is below 35° F. Type of Line-Up Clamp: External										
	Removal of Line-Up Clamp: After 50% completion of stringer bead. Cleaning: Taper grind starts and craters and flatten crown by grinding stringer bead, power buff all remaining passes.										
	Speed of Travel: String bead 10 to 12 inches per minute maximum. *Preheat, Stress Relief: Maximum of 300°F. Minimum of 150°F. Preheating shall be done with device or equipment which will heat entire circumference(s) in single application 2" back from pipe ends.										
P.	Notes: Welded pipe strings shall be temporarily capped to prevent air draft cooling of stringer beads. Weld shall be completely protected from moisture until it has cooled to ambient temperature. Weld zone shall be protected so that the wind velocity near it does not exceed 8 miles per hour.										
				of if the carbo			32% or	C+1/4 Mn			
			Number:	<u>6H</u> Pa	age:						

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Note: Dimensions are for example only.

Bead No.	Electrode Diameter	Amperage Range	Voltage Range	Type Rod	Notes
1	5/32	110-130	22-30	E6010 5P+	
2	5/32	120-155	24-35	E8010	
3	5/32	125-160	24-32	E8010	
4	3/16	135-175	27-37	E8010	
5					

Bead No.	Notes							
5	Additional beads may be applied at same settings as pass 4 amperage and voltage settings							
	Electrodes may be substituted within rod group 1&2 of AWS specification A5.1-A5.5							

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WE	LD TEST RE	PORT	[USE SEPARATE FORM FOR EACH WELDING PROCEDURE)										
DATE			WELDER'S NAME						SOCIAL SECURITY NUMBER				
1-17-08			Derrell Lausford				25/9						
LOCATION				TRACTOR OR CO	MPANY	RIGHT HANDED 12		REQUALIFYING TEST					
POSI	THON		West	Tern	5 699	LEFT HANDED		QUALIFYING TEST LINE 1					
	NED 🗆	FIXED C	OX-ACETYLENE DOUTDOORS			WEATHER	TEMPERATURE				WIND BREA		!
PIPE	SPECIFICATION	UNIAL	PIPE MANUFAC	TURER		CZ WALL THICKN	80 JESS	DIAMETER			WEIGHT PE		
DI	T-51	GR V 42	Pepul								18		
MAKE	E OF WELDING N		SIZE	MAKE OF OX-A	CETYLENE	WELDING NOZZLE SIZE		OX-ACETYLENE PRESSURE FLOWING					
	ial colal		300										
	O OF ELECTRO	DE	BRAND OF OX-	ACETYLENE RO	D AND SIZE	NUMBER OF F	NUMBER OF PASSES - OX-ACETYLENE						1
_	int										6-H		
		ELECTRODE 1	YPE AND SIZE		MACHINE SETTINGS		AMPERAGE RG.		VOLTAGE RG.		Socol		
					COARSE FINE						- 6	ã.	
ELD	STRINGER	5/12	Lini	5P+	120-190	55	110-1	20	22			9 del. 1.00	
NPE WELD	HOT PASS	5/22	11	-							. 3		
~		432	Lin	70 F	160 240	70	120-1	5.5	24	136	2		
	FILLER (S)	3/92	Lin	70+	160-240	70	125-16	60	2	4-3.	2 7%	20+4	
	GAP PASS	3/16	Line	70 F	160-240	80	135-1	75	22	7-30	1 4.	η	
		COUPON		CROSS SEC.	LOAD	% ELONG.	COMPUTED		REM	ARKS		AC-	RE-
	LOCATION	LENGTH	WIDTH	AREA SQ. IN.	COND		TENSIL PSI					CEPTED	JECTEO
13	1.7/	8	, "	,290	20,000	20%	68,965	No dobert			v		
ENSILE TESTS	272	8	/"	,290	Stare	SAME	Stac		,,			v	
TENSI	13/	8	, "	,290	/		1		"		1		
	182	8	8 1" 290				"				-	-	
_	COUPON TYPE OF BEND				REMARKS						AC- CEPTED	RE- JECTED	
	1 R 2	2 / Koot				No defect						0	
65	, R3	e3 Root										0	-
BEND TESTS					SMALL OPENING ON edge						-	_	
98	3 F 2	1-2 "										-	
2	1 Ed	Face							-Make	(i		1	
_	COUPON	REMARKS REM										AC-	RE-
	LOCATION	LOCATION REMARKS										CEPTED	JECTED
313	1781	This weld has accordance where										1	1
NICK-BREAK TESTS		100 derece 100led III par											
	272	2 Clean Metal										-	
	3 B2	B2											
	184 " "									N			
WELD TEST	SIZE AND WALL THICKNESS OF MAIN			GAS PRESSURE ON MAIN PSIG				LOCATION OF FRACTURE WELD NIPPLE MAIN				MAIN 🗆	
	DID WELD CONTAIN: PINHOLES COLDROLL			UNDERC	UT	DEPTH OF UNDERCUT LENGTH OF UN			GTH OF UND	ERCUT			
TEE	REMARKS ON TEE WELD												
PIPE WELD QUALIFIED DELECTRIC ARC DE TERMELD QUALIFIED							0 0	FIE	CTRIC ARC	0			
NOT QUALIFIED				OX-	NOT QUALIFIED CI OX-ACETYLENE CI								
TESTED BY SIGNATURE		SIGNATURE	Ed Ma	Wilding	Willing Injular								