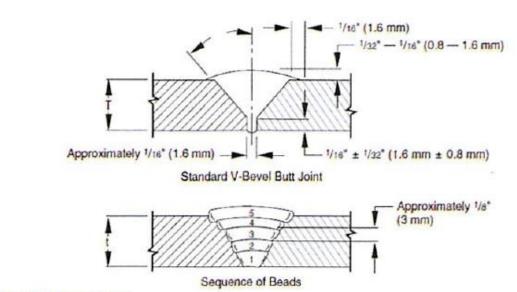
CONSTRUCTION: JOINING OF PIPES BY WELDING

I	ssued: _	11-18-2012	Revised:	12-05-2022	Number:	6G	Page:			
STA	ANDAF	RD WELDI	ING PRO	CEDURE S	SPECIFICA	ATION	#:	6G		
A. F	Process:		Electric Arc							
	Material:									
C. [Diamete	r and Wall T	hickness:	Greater than	1 12" and 2	188 thru	u .500 v	vall thickness		
		-		Groove, 30 [_					
E. F	Filler Me	tal and Num	ber of Bea	ds: Electrod	e Classificat	tion				
Elect	trode E	6010 and E8	3010, AWS	Class A5.1	– A5.5,					
F. E	Electrica	I or Flame C	Characterist	ics: D.C. I	Reverse Pola	arity, Ele	ectrode	Positive		
G. F	Position:	Horizontal								
Н. [Direction	n of Welding	: Vertical	Down						
I. N	Number	of Welders:	1							
	-						stringe	r and hot pass;		
				perature is l	pelow 35° F					
K. 1	Type of I	Line-Up Clar	np: Exter	nal						
		-		After 50%	•	-	_			
	_	: Taper gri uff all remai			nd flatten cr	rown by	grindin	g stringer bead,		
N. 5	Speed of	f Travel: St	ring bead	10 to 12 ii	nches per m	ninute m	naximun	٦.		
0. *	^k Preheat	t, Stress Rel	lief: Maxin	num of 300°	F. Minimun	n of 150	°F. Pre	heating shall		
		with device on 2" back f			ll heat entir	e circun	nferenc	e(s) in single		
P. N	Notes: \	Welded pipe	strings sh	all be tempo	rarily cappe	ed to pre	event ai	r draft cooling		
			_	e completel		-		_		
	cooled to ambient temperature. Weld zone shall be protected so that the wind									
V	elocity	near it does	not excee	d 8 miles pe	r hour.					
*X-F	Rated pi	pe must be	stress relie	of if the carbo	on content e	exceeds	32% or	· C+1/4 Mn		
		•		pipe is limit			0_70 0.	.		
				1 1 2 3 3 3 3 3 3 3	•					
			Number:	6G Pa	nge:					

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Note: Dimensions are for example only.

Bead No.	Electrode Diameter	Amperage Range	Voltage Range	Type Rod	Notes
1	5/32	125-165	25-32	E6010 5P+	
2	5/32	150-185	26-36	E8010	
3	5/32	155-180	25-35	E8010	
4	3/16	145-180	25-35	E8010	
5					

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

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DATE			WELDER'S NA	WE				SOCIAL SECUR	ITY NUMBE	P		
11-18-12 WELDER'S NAME				1	1.1		SOCIAL SECURITY NUMBER					
LOCATION NAME OF CONT				TRACTOR OR COMPANY RIGHT HANDED				REQUALIFYING TEST CI LINE TE				i i
POSITION ELECTRIC ARC MODOR NCLINED FIXED OX-ACETYLENE QUITOO							TIME OF DAY WIND BREAK)	
-	☐ HORE		200000000000000000000000000000000000000		RS 🚨	CL	65	Mori		NA	1000	
PIPE SPECIFICATION PIPE MANUFACTURER						WALL THICKNESS		DIAMETER (OD) WEIGHT			5 F	
MAK	E OF WELDING W	ACHINE	SIZE 250	MAKE OF OX-A APPARATUS	ACETYLENE	WELDING NO		OX-ACETYLENE	PRESSUR			
	ND OF ELECTRO		BRAND OF OX	ACETYLENE RO	D AND SIZE		MASSES - OX-ACET	YLENE WELD		G PROCEDUR	ENO.	
1	insecti	11	11	10			Va		#	69		
		ELECTRODE 1	TYPE AND SIZE		MACHINE SETTINGS		AMPERAG	ERG. V	VOLTAGE RG.			
					COARSE	FNE						
N.	STRINGER	STRINGER LIN SP+ 1/2			120-190	55	125-16	5 22-28		P		
	HOT PASS /	HOT PASS / 1 70 + 5/22			120-190	70	150-18	5 22-32		2_		
	FILLER (S)	FALLER(8) (141 70+ 5/32			120190	75	155-15	PO 20-35		5		
3	CAP PASS /	11 70	+ 1/16		120490	65	145-18	0 25-35				
	LOGATION	COUPON LENGTH	WIDTH	CROSS SEC. AREA SQ. IN.	LOAD	% ELONG.	COMPUTED TENSIL PSI	R	EMARKS	c	AC- EFTED	RE. JECTED
TENSILE TESTS	171	8"	1	1375	26,000	2190	69.333	Bake	110	Come at	10	- 1
	172	8"	1.	1375	25,500	100	68.000	1			-	
	381	P	1"	.325	25,500	777	45,000	100			-	
	182	8 "	1 "	1375	26,000	11	69,333				-	
	LOCATION		TYPE OF BEND				REMARK	s		c	AD: EPTED	JECTED
510	18/	FACE			No da		or side					
12	2 /2	ROOF			Ala delegats						4	
BEND TESTS	NB 3	Rust			15 me 11 1	bearing a	N PAPIL D	32			200	
HEN	1 FB 3	Rus			Ale do						2	
	4/2/34	THECC			Nedelect						1	
	LOCATION	REMARKS								-	AC EPTED	RE- JECTED
ESTS	1111	class Valvet feeture									6	1
NICK-BREAK TESTS	2NZ	are as are									~	
NICKE	31/B/	Sawell Stog the follows medals									/	
	NBZ	2 small from out +/ Clera metal									W	1
153	SIZE AND WALL THICKNESS OF MAIN GAS PRESSUR				E ON MAIN LOCATION OF						UN C	i i
TEE WELD TEST	DID WELD CONTAIN: PINHOLES COLDROLL UNDERCU				UT		DEPTH OF UND	ERCUT	LENG	GTH OF UNDER	CUT	
TE	REMARKS ON TEE WELD											
PE	WELD	QUALIFIED NOT QUALIFIED	0		CTRIC ARC ACETYLENE		TEE WELD	QUALIFIED NOT QUALIFIED		CTRIC ARC CETYLENE	00	
EST	ED BY	SIGNATURE	Much	Leke .			TITLE	2/1	7.			