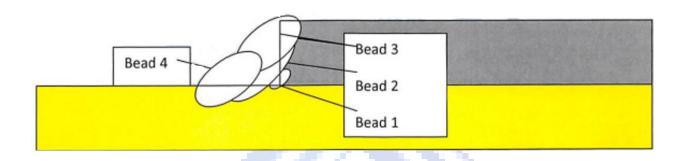
CONSTRUCTION: JOINING OF PIPES BY WELDING

ls	sued:	08/12/2	2010	Revised:	11-16-2	2022	Number:	F-22	Page	·
STA	NDA	RD WE	LDIN	IG PRO	CEDUF	RE SE	PECIFIC	ATION	# :	F-22
A.	Proce	ss: Manu	al Elect	tric Arc						
В.	Mate	rial: API-5	L Gr	ade X42 th	ru X65					
C.	Diame	eter and \	Wall Th	ickness: Le	ess than 2	3/8" a	ind 22" les	s than 0.18	8 WT th	nru 0.75 WT
D.	Joint Design: Standard Vee Groove 90 degrees bevel									
E.							assification	Electrode	E6010	and E8010,
_				5, Minimu						
F.				aracteristic	cs: Rever	se Pol	arity, Elect	rode Positi	ve	
G. H.		on: Fixed		Mertical Do	DW/D					
11. I.		er of We	_		JVVII					
J.				Passes: Ma	ximum o	f 5 mir	nutes betw	een stringe	er and h	not pass: 3
٠.		-		nen tempe				cen semige	zi ana n	.oc pass, s
K.				o: External						
L.	Remo	val of Lin	e-up C	lamp: Afte	r 50% con	npletio	on of string	er bead		
M.	Clean	ing: Tape	r grind	starts and	craters a	nd flat	ten crown	by grinding	g string	er bead,
	•			ing passes						
N.	-			ng bead 10		-				
Ο.				f: Maximu						
				quipment om pipe er		neat	entire circ	umerence	(5) 111 511	ngie
	аррііс		ouck II	om pipe ei						
*	X-rate	ed pipe m	ust be	stress relie	ef if the ca	rbon (content ex	ceeds 30%	or C+1/	/4 Mn
	excee	ds 65%. H	Heating	of X-rated	l pipe is li	mited	to 600°F.			
			Nui	mber:	F-22	P	age:			

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Bead	Electrode	Amperage	Voltage		
No.	Diameter	Range	Range	Type Rod	Notes
1	1/8	75-115	22-34	E6010 5P+	
2	5/32	100-135	15-35	E8010	
3	5/32	100-135	15-35	E8010	
4	5/32	115-155	15-35	E8010	May use 3/16
5				1.00	

Bead

No.	Notes												
	If necessary, more passes may be made at bead #4 amperage and voltage settings												
'													
	Elect	rodes n	nay be	substit	uted	within	rod gro	up 1&2	of AW	S specifi	cation A	5.1-A5.5	
'													

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ATE	-	20020	WELDER'S NA	ME	,	11		SOCIAL S	ECURITY	NUMBER	1		
		70	ler	rell.	LANG	ford	25/9						
OCA	Dellas	4	NAME OF CON	TRACTOR OR CO	OMPANY	WEATHER TEMPERATURE WALL THICKNESS		REQUALIFYING TEST D # CO				TEST 🗆	
	TION NED 🗆	FIXED ID	ELECTRIC ARI	C INDOOR				DIAMETER (OD) WEIGHT P			WIND BREA		D
	HORE	ZONTAL	100000000000000000000000000000000000000	Activities (Activities)	ms u							2	_
4	SPECIFICATION		PIPE MANUFA		100								
_	OF WELDING N	MACHINE	SIZE	MAKE OF OX-	ACETYKENE	WELDING NO		OX-ACET		ESSURE	FLOWING	-	
1	W.		250	APPARATUS	1/2	W	12		1/1	2			
RAN	D OF ELECTRO	DE		ACETYLENE RO	O AND SIZE	NUMBER OF F	PASSES - OX-ACE	TYLENE WE	LD	WELDIN	G PROCED	URE NO	
1	Liv.	0.000	,	1/1		14	1/2			F	-22		
		ELECTRODE 1	TYPE AND SIZE		MACHINE	SETTINGS	AMPERAG	SE RG. VOLT		AGE RG.			
					COARSE	FINE	1,5,10,1,5,5,5,5,5						
PIPE WELD	STRINGER _	Liv 5A	5Pt	5P+ 1/P		55	75-//5	22-		34			
Line	HOT PASS	W 54	70+ 3/2		120-190	70	100-13		15-35				
	FILLER (S)	N 54	70 t	5/32	120-190	70	100-13	5 15-		35			
	CAP PASS _	in 5/	72+	5/72			115-155		15-35			22	
36725	LOCATION	COUPON	WIDTH	CROSS SEC. AREA SQ. IN.	LOAD	% ELONG.	COMPUTED TENSIL PSI	REMARKS			AC- CEPTED	RE-	
TENSILE TESTS	1												
	8			-									
SILE	2												
E	3			-			-					-	
	4			1.0									
	COUPON		TYPE OF BEND	1	REMARKS							AC- CEPTED	RE
	1												
0	2	-											
BEND TESTS	3	. 3			200								
00			797										
i i	COUPON LOCATION			-5%	REMARKS								RE
0 0	1	11		C	ul 1	1	1/2 /	1	1			1	1
KEAN IESIS	Ta	Clean Gray Metal No detact										1	-
PONC	2/2	2110	2// 3	log	1/92	1	1		1			-	
NK-K-BI	3 B3	Cla	sal .	Suy	Metal	, as	lo de	fact	4			~	1
	1B4	Class	1/	40 0	efect	4						1	
100	SIZE AND WAL	L THICKNESS OF	MAIN	GAS PRESSUE	RE ON MAIN PSIG				FRACTURE LD II NIPPLE II MA				1
MELL	DID WELD COM	TAIN: HOLES	COLDROLL	UNDERC	UT	317	DEPTH OF UNI	INDERCUT LENGTH OF UNI				ERCUT	
TEE WELD TEST	REMARKS ON		Johnston	UNDERG	WA.C		1						
		QUALIFIED	0	ELI	ECTRIC ARC	0	TEE WELD	QUALIFIE			TRIC ARC	-	
PE	WELD	NOT QUALIFIED		P. W.	-ACETYLENE,	0	THE STREET	MOT OUT	LIFIED 📮	DW AL	CETYLENE		