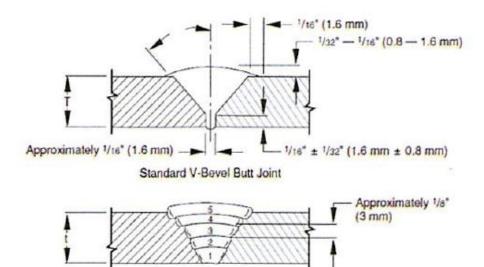
CONSTRUCTION: JOINING OF PIPES BY WELDING

	Issued:	2-18-2007	Revised:		Number:	5AH	Page:	
STA	NDARE	WELDII	NG PRO	CEDURE S	PECIFICA ⁻	TION #	: 5/	ΑН
						_		
A.	Process:	Manual Elec	ctric Arc					
В.	Material	: API-5L G	rade A thru	K42				
C.	Diamete	r and Wall T	hickness: 8"	thru 12" and	0.188 thru 0.5	500 WT		
D.		-		e 30 degree		1 . 1.		
E.		tal and Num Iinimum of 4		s: Electrode Cl	assification E	lectrode E	6010 AW	/S Class
F.	Electrica	l or Flame Cl	haracteristic	s: D.C. Reverse	e Polarity, Ele	ctrode Po	sitive	
G.	Position:	Fixed Horizo	ontal					
Н.	Direction	n of Welding	: Vertical Do	wn				
I.	Number	of Welders:	1					
J.	-			kimum of 5 mi		n stringe	r and hot p	pass; 3
				ature is below	35° F			
K.		ine-up Clam						
L.		•	•	50% completi	_			
M.	_			craters and fla	tten crown by	/ grinding	stringer b	ead,
N	•	uff all remaii		12 inches per				
N.	-		_	12 inches per i			aatina shal	ll bo
Ο.				n of 300°F, Mi vhich will heat			_	
		on 2" back f			. entire circuit	ilei elice(s) III siligic	;
Р.				be temporarily	v capped to p	revent air	draft coo	ling of
			_	npletely prote				_
	ambient	temperatur	e. Weld zone	shall be prot	ected so that	the wind	velocity n	ear it
		exceed 8mp						
*				if the carbon		eds 30% d	or C+1/4 N	1n
	exceeds	65%. Heatin	g of X-rated	pipe is limited	l to 600°F.			
		Nu	ımber:	5AH I	Page:			

CONSTRUCTION: JOINING OF PIPES BY WELDING



Note: Dimensions are for example only.

Bead	Electrode	Amperage	Voltage	AP 4 1	
No.	Diameter	Range	Range	Type Rod	Notes
1	1/8	95-110	25-35	E6010 5P+	
2	1/8	95-115	30-40	E6010 5P+	
3	5/32	105-120	30-40	E6010 5P+	
4	5/32	100-130	25-45	E6010 5P+	
5					

Sequence of Beads

Bead													
No.							N	otes					
5	Additi	onal pa	sses	may b	e mad	e using	g E6010 3	3/16 wit	hin am	perage	range	132-1	70 and volt
	range	25-35											
	•												

CONSTRUCTION: JOINING OF PIPES BY WELDING

WE	LD TEST RE	PORT		(USE SEPAR	RATE FORM FOR I	EACH WELDING	PROCEDURE)						
DATE WELDER'S N				DER'S NAME					SOCIAL SECURITY NUMBER				
1-11-08 Jimmie					Moore	1534							
LOCA		,	NAME OF CON				REQUALIFYING TEST QUALIFYING TEST LINE				TEST D		
POSI	LV MA ON		ELECTRIC ARC	2/3			TIME OF DAY WIND BREAK						
INCLI	NED D HORE	FIXED E		E □ OUTDOO					Eur. Na				'
	SPECIFICATION		PIPE MANUFAC			WALL THICKN	IESS	DIAMETER (OD) WEIGHT PE				ER FOOT	
AL	E OF WELDING M	SR 142	Ref	MAKE OF OX	ACTURUS.	. 188				85/8 16.9			
	inedla	INCHINE.	SIZE	APPARATUS		WELDING NO	ZZLE SIZE	OX-ACETYLENE PRESSURE FLOWING					
	ID OF ELECTRO	DE .	Percent .	ACETYLENE RO	D AND SIZE	TYLENE WELD WELDING PROCEDUR				URE NO.	_		
1	iv.			_									
		ELECTRODE 1	TYPE AND SIZE		MACHINE	SETTINGS	AMPERAG	E RG.	VOL	TAGE RO	5-AH		
					COARSE	FINE							
9	STRINGER	1/2 50	4		10-190	35 95-11			24.14		_		
PIPE WELD	HOT PASS	1/2 50		-				25-35					
ď.	FILLER (S)	70	P+		120-190	45	95-1				-40		
		,,,,			120-190	50	105-1	105-120 3			-05		
-	CAP PASS	5/32 5 COUPON	Pt	I	120-190	60	100 -1	30		5-45		1	
	LOCATION	LENGTH	WIDTH	AREA SQ. IN.	LOAD	%TELONG.	COMPUTED TENSIL PSI		REM	ARKS	6,911	AC- CEPTED	AM. JECTED
	1 //	6"	,"	,190	12,000	10%	63.157	. well	EQU'S	ar an	_	1	
ENSILE TESTS	2 /2	-"	. "	,190		100%	. u m36	JAN WE	Sept.		_		-
SILE	. /2	8.		11/0	12,300	10%	64, 150	O. A. Tale				-	
TEN	3						BARRATHAR					1	
	4												
_	COUPON LOCATION		TYPE OF BEND		REMARKS							AG- CEPTED	PECTED
	1 TR	Poo	+		1	10	defee	15				1	
STS	27E	FAC	e		56	11411	opening				_		
BEND TESTS	3 BB	Pari	4		1	6 1							
H	+ RF	1.0	-		1	1.	11.1	/				. 6	
_	COUPON	FAC	C		N					40	RE-		
	LOCATION					REMARKS					CEPTED	JECTED	
REAK TESTS	1 BN		Years	0	ray	Wets					2		
REAK	2 TN			,	,	"					-		
MICK-BR													
2	3										-		
	4												
TEST	SIZE AND WALL THICKNESS OF MAIN GAS P				E ON MAIN PSIG			LOCATION OF FRACTURE WELD NIPPLE NIPPLE				MAIN 🗅	
TEE WELD TEST	DID WELD CONTAIN: PINHOLES COLDROLL UNDS			UNDERC	IIT	DEPTH OF UND	DEPTH OF UNDERCUT LENGTH OF UNDE				DERCUT		
TEE	REMARKS ON 1		JOHNSON	SHOUND	-								
PPE	WELD	QUALIFIED	9		ECTRIC ARC	0	TEE WELD	QUALIFIED			CTRIC ARC		
		NOT QUALIFIED		OX-	TITLE OF QUALIFIED OX-ACETYLENE								
TESTED BY SIGNATURE			Word	RIZ	ans bu	111	シチス	len					