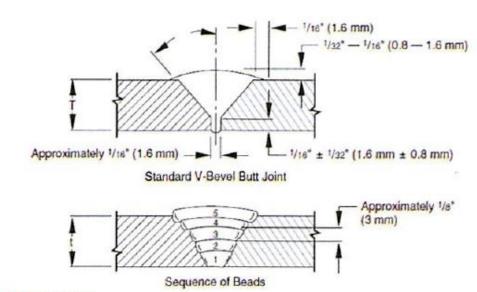
CONSTRUCTION: JOINING OF PIPES BY WELDING

	Issued:	7-07-2019	Revised:	12-05-2022	Number:	6AH65	Page:	
ST	ANDAI	RD WELD	ING PRO	OCEDURE	SPECIFIC	ATION	#:	6AH65
Α.	Process:	Manual	Electric Ar	С				
В.	Material	: API 5L	Grade X65					
C.	Diamete	r and Wall	Thickness:	Greater tha	n 12" and	.188 thr	u .750	wall thickness
D.	Joint De	sign: Sta	ndard Vee	Groove, 30	Degree Be	vel		
				ads: Electroc				
			•	'S Class A5.1	•			
				stics: Reve	rse Polarity	, Electro	de Pos	itive
_		Fixed Hori						
		n of Welding	•	l Down				
I.		of Welders						
J.							string	er and hot pass;
				mperature is	below 35°	F.		
		Line-Up Cla	•					
		-	-	After 50%	-		_	
М.	Cleaning: Taper grind starts and craters and flatten crown by grinding stringer bead power buff all remaining passes.							
N.	Speed o	f Travel: S	tring bead	10 to 12 i	nches per	minute n	naximu	m.
Ο.	be done	with device	e or equipn	nent which w				eheating shall ce(s) in single
P.	application 2" back from pipe ends. 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.							
	-	•		ef if the carb d pipe is limi			32% 0	or C+1/4 Mn

Number: 6AH65 Page:

CONSTRUCTION: JOINING OF PIPES BY WELDING



Note: Dimensions are for example only.

Bead No.	Electrode Diameter	Amperage Range	Voltage Range	Type Rod	Notes
1	5/32	130-170	25-32	E6010 5P+	
2	3/16	130-190	26-36	E6010/E8010	See below
3	3/16	135-195	25-35	E6010/E8010	
4	3/16	135-195	25-35	E6010/E8010	
5	3/16	125-180	25-35	E6010/E8010	

Bead No.	Notes					
L-5	Electrodes may be substituted within rod group 1&2 of AWS A5.1-A5.5					
2	Hot pass may be made using 5/32 within same amperage range					
	Additional passes may be made at the same setting					



CONSTRUCTION: JOINING OF PIPES BY WELDING

WE	LD TEST RE	PORT		(USE SEPAR	RATE FORM FOR	EACH WELDING	PROCEDURE)					
DATE WELDER'S NAME				ME		,		SOCIAL SECURITY NUMBER				
8-20-08				Derrell LAWS Force				2519				
LOCATION NAME OF CONTRACTOR O				OMPANY RIGHT HANDED CL			REQUALIFYING TEST CI LINE TEST CI					
POSIC	NED 🗆 🦯	FIXED (2)	ELECTRIC ARC OX-ACETYLEN	IE DI OUTDOO		WEATHER	TEMPERATURE	TINE OF DAY	WIND BREAK USE	D		
PIPE	SPECIFICATION	ONTAL	PIPE MANUFAC			WALL THICKS	80 VESS	DIAMETER (CD)	WEIGHT PER FOO	T T		
	6L X52		Per			120		20	59.18			
MAKE	OF WELDING M	ACHINE	SIZE	MAKE OF OX-A APPARATUS	CETYLENE	WELDING NO	OX-ACETYLENE PRESSURE FLOWING					
	D OF ELECTRON	NE	BRAND OF OX	ACETYLENE RO	N/A- N/A- AND SIZE NUMBER OF PASSES - OX-ACET			VI ENE WELD	PROCEDURE ON			
	is/		NI	/s	NIA			TEENE HELD	6AH	_		
	ELECTRODE TYPE AND SIZE				MACHINE	SETTINGS	AMPERAG	LTAGE RG.	t=	17		
					COARSE FINE					TEST	18	
VIPE WELD	STRINGER	LIN 5	P+ 5/3	iz	120-190	60	1/0-13	5 22	- 32.	TING	774	
픑	HOT PASS	111/10	+ 3/3	12_	160-240	70	120-15	5 24	1-12	_ €	N 8	
	FILLER (S)	in 70	1 4	32	160240	70	120-13	120-150 24-3			4 2 .	
	CAP PASS	. 7/			160-240	20	130-17	30-175 23		₹	A 5.	
	LOGITION	COUPON		CROSS SEC.	LOAD	% ELONG.	COMPUTED	RE	MARKS	Ğ.	RE-	
	LOCATION	LENGTH	WIDTH	AREA SQ. IN.			TENSIL PSI	,	//	,	1	
2	17/	8	/	,290	20,000	20%	68,965	No a	efect]	
ENSILE TESTS	212	8	/"	,290	20,000	,,	68,965				1	
TENSI	3 <i>B1</i>	8	,"	,290	21,000		72,413	//			1_	
	4 B2	8	1"	, 290	20,000	"	68965	11			1_	
	COUPON LOCATION			REMARKS					AC- CEPTE			
	1 8/2	Posts x2			No	dotec	ts			v	<u></u>	
STS	2 R3	Pootske			No	detec	f5			V	1	
BEND TESTS	3 = 2	Face v2			No detects					~	1_	
#	F3	7				noll sparing on age X 1					1_	
	COUPON	7.72			1	REMARKS					RE- ID JECTED	
2											1	
CK-BREAK TESTS	1781									- 1	+	
#EA	2TL2	"									}	
NCK	3BR 1		"								辶	
	4 BL 2	12 //									_	
TEST	SIZE AND WALL THICKNESS OF MAIN GAS PRESS			GAS PRESSUR				FRACTURE LD NIPPLE O MAI			•	
TEE WELD TEST	DID WELD CONTAIN: PINHOLES COLDROLL			UNDERCUT			DEPTH OF UNE	ERCUT	LENG	TH OF UNDERCU	1	
Ħ	REMARKS ON TEE WELD											
PIPE WELD QUALIFIED Q				ECTRIC ARC ACETYLENE	-	TEE WELD	QUALIFIED NOT QUALIFIED					
TESTED BY		SIGNATURE	MATHRE CO N 1 6				TITLE	in Luga		;		
		6	Cd 11 Cacket				Whary wayer					