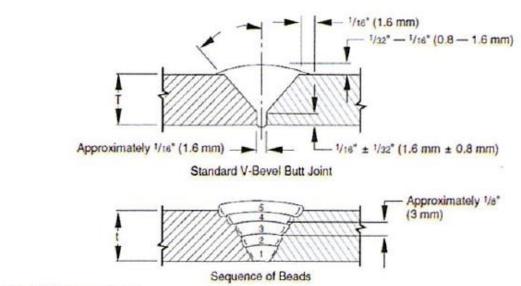
Is	sued: <u>1-06-2012</u> Revised: <u>12-13-2022</u> Number: <u>7B52</u> Page:
STA	NDARD WELDING PROCEDURE SPECIFICATION #: 7B52
A.	Process: Manual Electric Arc
В.	Material: API-5L Grade A thru X52
C.	Diameter and Wall Thickness: 2 3/8 thru 6 5/8 and less than 0.188 WT thru 0.500 WT
D.	Joint Design: Standard Vee Groove 30 degrees
E.	Filler Metal and Number of Beads: Electrode Classification Electrode E6010 & E8010
_	AWS Class A5.1-A5.5 Minimum of 3 Passes
F. G.	Electrical or Flame Characteristics: D.C. Reverse Polarity, Electrode Positive Position: Inclined 45 degrees
О. Н.	Direction of Welding: Vertical Down
1.	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
K.	Type of Line-up Clamp: External
L.	Removal of Line-up Clamp: After 50% completion of stringer bead
M.	Cleaning: Taper grind starts and craters and flatten crown by grinding stringer bead,
	power buff all remaining passes
N.	Speed of Travel: String bead 10 inches per minute maximum
Ο.	*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
Р.	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 8mph.
*	X-rated pipe must be stress relief if the carbon content exceeds 32% or C+1/4 Mn
	exceeds 65%. Heating of X-rated pipe is limited to 600°F.
	Number: 7B52 Page:



Note: Dimensions are for example only.

Bead	Electrode	Amperage	Voltage		
No.	Diameter	Range	Range	Type Rod	Notes
1	1/8*	90-120	22-30	E6010 5P+	
2	1/8	85-110	27-35	E8010	
3	5/32	85-115	22-32	E8010	
4	*			A	
5					

Bead												
No.	Notes											
	Electrodes may be substituted within rod group 1&2 of AWS A5.1-A5.5											
1	* Stringer bead on 0.188 WT may be made with 3/32 E-6010 5P+ at 60-90 amps and 20-30											
	volt range											
4	* If a fourth pass is needed same settings as pass three may be used											

WE	LD TEST RE	PORT		(USE SEPAR	NATE FORM FOR I	EACH WELDING F	PROCEDURE)				_	
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100 22		_	W	TRACTOR OR CO	MPANY	REST HANDED	REQUALIFYING TEST O					
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		DISTAL 45	PIPE MANUFAC			20	40	DIAMETER (C	<u>a</u>	11	-	
	SPECIFICATION	<u>ن</u> حري	D	TURER		WALL THICKNE	:88	//3	2	WEIGHT	PER POOT 1スセン	
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		ELECTRODE 1	TYPE AND SIZE		MACHINE	SETTINGS	AMPERAC	ERO.	VOLTAGE	RG.	3	
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WE	LD TEST R	EPORT		(USE SEPAR	RATE FORM FOR	EACH WELDING	PROCEDURE)						
DATE WELDER'S NAME					_		SOCIAL SEC	CURITY NUMBE	R				
				ME OF CONTRACTOR OR CONPANY RI			DIGITAL LIMITED		DECLIA IDANO TECT. CO				
GUYMON WTG				CONPANY RIGHT HANDED D			QUALIFYING TEST QUALIFYING TES						
POSITION INCLINED INC			INDOORS	RS D		TEMPERATURE 70	TIME OF DA	1	WIND BREAK USED				
	SPECIFICATION	personal services	PIPE MANUFACTURER			WALL THICKNESS					PER FOOT		
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	FILLER (S)	54 70	1-1/8	v .	5	60	85-1	15			accordance to API-1104		
	CAP PASS	5A 70	r 5/2	2	1	40	85-1	115	22-3	2	2000		
	LOCATION	COUPON LENGTH	WIDTH	CROSS, SEC. AREA SQ. IN.	LOAD	%ELONG.	COMPUTED TENSIL PSI		REMARKS		AG- GEPTED	RE- JECTE	
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	LOCATION										AC- CEPTED	RE- JEÇTE	
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BREAK TESTS	2N2	1		er.	**		"				_	_	
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		CTRIC ARC ACETYLENE	0	TEE WELD	QUALIFIED NOT QUALIF	D ELEC	CTRIC ARC		3				
TEOT	ED BY	SIGNATURE	11/-	MI	No. Contractor Contractor	10-10-	TITLE						