FORM QW-483 SUGGESTED FORMAT FOR PROCEDURE QUALIFICATION RECORDS (PQR) (See QW-200.2, Section IX, ASME Boiler and Pressure Vessel Code) Record Actual Variables Used to Weld Test Coupon

Organization Name	
Procedure Qualification Record No.	Date
Welding Process(es)	
Types (Manual, Automatic, Semi-Automatic)	
10.1.	
JOINTS (QW-402)	
	esign of Test Coupon I thickness shall be recorded for each filler metal and process used.)
	·
BASE METALS (QW-403) Material Spec.	POSTWELD HEAT TREATMENT (QW-407) Temperature
Type or Grade, or UNS Number	Time
P-No Group No to P-No Group No	
Thickness of Test Coupon	
Diameter of Test Coupon	
Maximum Pass Thickness	
Other	
	GAS (QW-408)
	Percent Composition
	Gas(es) (Mixture) Flow Rate
	Gas(es) (Mixture) Flow Rate Shielding ————————————————————————————————————
FILLER METALS (QW-404) 1 2	Shielding Trailing
SFA Specification	Shielding Shielding
SFA Specification	Shielding Trailing
SFA Specification	Shielding
SFA Specification	Shielding
SFA Specification	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current
SFA Specification	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (OW-409) Current Polarity
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts
SFA Specification	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control
SFA Specification	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy
SFA Specification	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy
SFA Specification	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness	Shielding
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (OW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other POSITION (QW-405)	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input Other
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other POSITION (QW-405) Position(s)	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input Other
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other POSITION (QW-405) Position(s) Weld Progression (Uphill, Downhill)	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input Other
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other POSITION (QW-405) Position(s) Weld Progression (Uphill, Downhill)	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input Other TECHNIQUE (QW-410)
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other POSITION (QW-405) Position(s) Weld Progression (Uphill, Downhill) Other PREHEAT (QW-406)	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (OW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input Other TECHNIQUE (OW-410) Travel Speed String or Weave Bead Oscillation
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other POSITION (QW-405) Position(s) Weld Progression (Uphill, Downhill) Other PREHEAT (QW-406) Preheat Temperature	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (OW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input Other TECHNIQUE (QW-410) Travel Speed String or Weave Bead Oscillation Multipass or Single Pass (Per Side)
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other POSITION (QW-405) Position(s) Weld Progression (Uphill, Downhill) Other PREHEAT (QW-406) Preheat Temperature Interpass Temperature	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (QW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input Other TECHNIQUE (QW-410) Travel Speed String or Weave Bead Oscillation Multipass or Single Pass (Per Side) Single or Multiple Electrodes
SFA Specification AWS Classification Filler Metal F-No. Weld Metal Analysis A-No. Size of Filler Metal Filler Metal Product Form Supplemental Filler Metal Electrode Flux Classification Flux Type Flux Trade Name Weld Metal Thickness Other POSITION (QW-405) Position(s) Weld Progression (Uphill, Downhill) Other PREHEAT (QW-406) Preheat Temperature	Shielding Trailing Backing Other ELECTRICAL CHARACTERISTICS (OW-409) Current Polarity Amps. Volts Waveform Control Power or Energy Arc Time Weld Bead Length Tungsten Electrode Size Mode of Metal Transfer for GMAW (FCAW) Heat Input Other TECHNIQUE (QW-410) Travel Speed String or Weave Bead Oscillation Multipass or Single Pass (Per Side)

FORM QW-483 (Back)

Tensile Test (QW-150)

PQR No	

Specimen No.	Width	Width Thickness		Area	Ultimate Total Load	Ultimate Unit Stress, (psi or MPa)	Type of Failure and Location	
	<u>'</u>		Guided-B	end Tests	(QW-160)			
	Type and F	igure No.				Result		
			Toughne	ss Tests (C	ΩW-170)			
Specimen	Notch	Specimen	Test		Toughness Values	s		
No.	Location	Size	Temperature	ft-lb or J	% Shear	Mils (in.) or mm	Drop Weight Break (Y/N)	
omments								
			Fillet-W	eld Test (C	W-180)			
esult — Satisfactory	: Yes	No		Pen	etration into Parent	Metal: Yes	No	
acro — Results								
acro — nesults								
			C	Other Tests	3			
pe of Test								
eposit Analysis								
ther								
/elder's Name					Clock No		Stamp No	
/elder's Nameests Conducted by					Laboratory Test No.			
	atements in this re	ecord are corre	ect and that the	test welds w	ere prepared, welde			
					ion			
				0 40				
ate					and least			

(07/17)