

WELDING PROCEDURE SPECIFICATION (WPS) Yes
PREQUALIFIED yes QUALIFIED BY TESTING NO
or PROCEDURE QUALIFICATION RECORDS (PQR) Yes

Company Name _____
 Welding Process(es) _____
 Supporting PQR No.(s) _____

Identification # _____
 Revision _____ Date _____ By _____
 Authorized by _____ Date _____
 Type—Manual Semiautomatic
 Machine Automatic

JOINT DESIGN USED

Type:
 Single Double Weld
 Backing: Yes No
 Backing Material: _____
 Root Opening _____ Root Face Dimension _____
 Groove Angle: _____ Radius (J-U) _____
 Back Gouging: Yes No Method _____

POSITION

Position of Groove: _____ Fillet: _____
 Vertical Progression: Up Down

BASE METALS

Material Spec. A572
 Type or Grade 50
 Thickness: Groove _____ Fillet 1/8" UNLIMITED
 Diameter (Pipe) 1/2" UNLIMITED

ELECTRICAL CHARACTERISTICS

Transfer Mode (GMAW) Short-Circuiting
 Globular Spray
 Current: AC DCEP DCEN Pulsed
 Power Source: CC CV
 Other _____
 Tungsten Electrode (GTAW)
 Size: _____
 Type: _____

FILLER METALS

AWS Specification _____
 AWS Classification _____

TECHNIQUE

Stringer or Weave Bead: _____
 Multi-pass or Single Pass (per side) _____
 Number of Electrodes _____
 Electrode Spacing Longitudinal _____
 Lateral _____
 Angle _____
 Contact Tube to Work Distance _____
 Peening _____
 Interpass Cleaning: _____

SHIELDING

Flux _____ Gas _____
 Composition _____
 Electrode-Flux (Class) _____ Flow Rate _____
 Gas Cup Size _____

PREHEAT

Preheat Temp., Min. _____
 Interpass Temp., Min. _____ Max. _____

POSTWELD HEAT TREATMENT

Temp. _____
 Time _____

WELDING PROCEDURE

Pass or Weld Layer(s)	Process	Filler Metals		Current		Volts	Travel Speed	Joint Details
		Class	Diam.	Type & Polarity	Amps or Wire Feed Speed			