

March 28th 2022

Olympus Custom Homes
1611 Ashton Circle
Liberty, MO. 64068

RE: 2353 SW Hickory Lane

To Whom It May Concern:

Mr. Justin Heller performed the welded connection in reference to the above address. Enclosed is a copy of his current welding certification for your files. If you have any further questions, please call us.

Sincerely,

Sheila M. Jones
President

Page 1 of 1
JIM-SMAW-V-heliox

WQTR No. <u>JIM-SMAW-V-heller</u>	Welder Name <u>Justin Heller</u>	Welder Id _____	Date <u>10/21/2020</u>
WPS No. <u>JIM-SMAW(Cady)</u>	Revision <u>0</u>		

Variables	Record Actual Values Used In Qualification
Process (Table 4.10, Item (1)) <u>SMAW</u>	<u>SMAW</u>
Transfer Mode (GMAW): Short-Cir. ☐ Globular ☐ Spray ☐	Short-Circuiting ☐ Globular ☐ Spray ☐
Type Manual ☒ Machine ☐ Semi-Auto ☐ Auto ☐	Manual ☒ Machine ☐ Semi-Auto ☐ Auto ☐
Number of Electrodes Single ☒ Multiple ☐	Single ☒ Multiple ☐
Current/Polarity AC ☐ DCEP ☒ DCEN ☐ Pulsed ☐	AC ☐ DCEP ☒ DCEN ☐ Pulsed ☐
Position (Table 4.10, Item (4)) <u>Vertical</u>	<u>Flat, Vertical, Horizontal, 3G</u>
Weld Progression: (Table 4.10, Item (6)) Up ☒ Down ☐	Up ☒ Down ☐
Backing (Table 4.10, Item (7)) Use Backing ☐	With Backing ☒ Without Backing ☐
Consumable Insert (GTAW) Use Insert ☐	With Insert ☐ Without Insert ☐
Material/Spec. <u>ASTM A36</u> to <u>ASTM A36</u>	<u>MILD STEEL GROUPS</u>
Thickness (Plate): Groove (in) <u>.375</u>	<u>.125 - .750</u> in
Fillet (in) _____	<u>Any - Any</u> in
Thickness (Pipe/tube): Groove (in) _____	<u>.125 - .75</u> in
Fillet (in) _____	<u>Any - Any</u> in
Diameter(Pipe): Groove () _____	<u>24" - greater</u> in
Fillet () _____	<u>Any - Any</u>
Notes _____	<u>PIPE QUAL FOR >24 INCHES IN DIAMETER ALL</u>
Filler Metal (Table 10, Item (2))	<u>EXX15, EXX16, EXX18, EXX15-X, EXX16-X, EXX18-X</u>
Spec. <u>SFA 5.1</u>	<u>EXX20, EXX27, EXX28, EXX20-X, EXX27-X</u>
Class. <u>E-7018</u>	<u>EXX12, EXX13, EXX14, EXX13-X</u>
F-No. <u>4</u>	<u>EXX10, EXX11, EXX10-X, EXX11-X</u>
Gas/Flux Type (Table 4.10, Item (3)) _____	<u>With backing or back gouge</u>
Other _____	

VISUAL INSPECTION (4.8.1) Acceptable Yes

GUIDED BEND TEST RESULTS (4.30.5)

Type	Result	Type	Result
ROOT BEND	ACCEPTABLE		
FACE BEND	ACCEPTABLE		

Fillet Test Results (4.30.2.3 and 4.30.4.1)

Appearance na Fillet Size na Macroetch na

Fracture Test Root Penetration na Description na

Inspected By M.D. SCHNEIDER Test No. JIM20v heller Organization PRAIRIE DIST. INC. Date 10/21/2020

RADIOGRAPHIC TEST RESULTS (4.30.3.1)

Film Identification No.	Result	Remark	Interpreted By
<u>na</u>	 <u>Michael D Schneider</u> <u>CWI 97080931</u> <u>QC1 EXP. 8/1/2021</u>		<u>na</u>
			Organization _____
			Test No. _____
			Date _____

We, the undersigned, certify that the statements in this record are correct and that the test welds were prepared, welded, and tested in accordance with the requirements of section 4 of ANSI/AWS D1.1, (2020) Structural Welding Code-Steel.

Manufacturer JONES IRON & METAL Authorized By _____ Date 10/21/2020

JONES IRON METAL

Welding Procedure Specification

Page 1 of 2

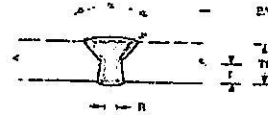
JIM-SMAW

WPS No. JIM-SMAW Revision _____ Date _____ By _____
 Authorized By _____ Date 3/2/2013 Prequalified ☒
 Welding Process(es) SMAW Type: Manual ☒ Machine ☐ Semi-Auto ☐ Auto ☐
 Supporting PQR(s) _____

JOINT

Type Butt
 Backing Yes ☒ No ☐ Single Weld ☐ Double Weld ☒
 Backing Material BACK WELD
 Root Opening 0-1/8" Root Face Dimension 0-1/8"
 Groove Angle 60 Radius (J-U) _____
 Back Gouge Yes ☒ No ☐
 Method GRIND-BRUSH

Sho-V-groove weld (2)
 But joint (1)



Base Metal		Welding Process		Groove Preparation		Tolerances		Position	
Material	Thickness	Shielding Gas	Electrode	Root Face	Groove Angle	As Drawn	As Toleranced	As Toleranced	As Toleranced
Carbon Steel	1/4" to 1/2"	None	E6010	0-1/8"	60°	As Drawn	As Toleranced	As Toleranced	As Toleranced

BASE METALS

Material Spec. A-36 to A-36
 Type or Grade _____ to _____
 Thickness: Groove (in) .125 - .750
 Fillet (in) Any - Any
 Diameter (Pipe,) _____

POSITION

Position of Groove ANY Fillet ANY
 Vertical Progression: ☐ Up ☐ Down

ELECTRICAL CHARACTERISTICS

Transfer Mode (GMAW):
 Short-Circuiting ☐ Globular ☐ Spray ☐
 Current: AC ☐ DCEP ☒ DCEN ☐ Pulsed ☐
 Other _____
 Tungsten Electrode (GTAW):
 Size _____ Type _____

FILLER METALS

AWS Specification 5.1
 AWS Classification E-6010/E-7018

SHIELDING

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

PREHEAT

Preheat Temp., Min. 50 F
 Thickness Up to 3/4" Temperature 50 F
 Over 3/4" to 1-1/2" 150 F
 Over 1-1/2" to 2-1/2" 225 F
 Over 2-1/2" 300 F
 Interpass Temp., Min. 50 F Max. 450 F

TECHNIQUE

Stringer or Weave Bead Both
 Multi-pass or Single Pass (per side) Both
 Number of Electrodes 1
 Electrode Spacing: Longitudinal _____
 Lateral _____
 Angle _____
 Contact Tube to Work Distance _____
 Peening N/A
 Interpass Cleaning GRIND-BRUSH

POSTWELD HEAT TREATMENT

PWHT Required ☐

Temp. _____ Time _____

WELDING PROCEDURE

Layer/Pass	Process	Filler Metal Class	Diameter	Cur. Type	Amps or WFS	Volts	Travel Speed	Other Notes
1-n	SMAW	E-7018LH	1/8"	DCEP	100-125 A	19-22 V	3-5 IPM	BACK GOUGE BACK WELD

[Signature]
 RICHARD P. CAHILL
 610-0241
 3.10.1

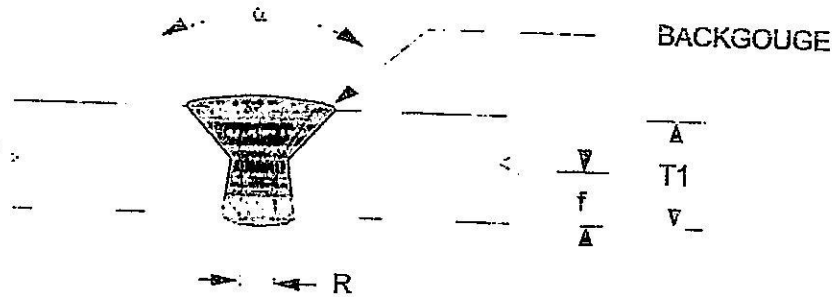
JONES IRON METAL

Welding Procedure Specification

Page 2 of 2

JIM-SMAW

Single-V-groove weld (2)
Butt joint (B)



Welding Process	Joint Designation	Base Metal Thickness (U=unlimited)		Groove Preparation			Permitted Welding Positions	Notes
		T1	T2	Root Opening Root Face Groove Angle	As Detailed (see 3.13.1)	Tolerances As Fit Up (see 3.13.1)		
SMAW	B-U2	U	-	R = 0 to 1/8	+1/16, -0	+1/16, -1/8	All	C, D, N
				f = 0 to 1/8	+1/16, -0	Not limited		
				α = 60°	+10°, -0°	+10°, -5°		

MEMO

AWS D1.1 STRUCTURAL CODE-GROOVES AND FILLETS

[Signature]
RICHARD P. CALDWELL
61010241
C 121