



Northern  
Michigan  
University

Continuing Education & Workforce Development  
Welder Qualification Test  
Unlimited SMAW

Name: Robert T. Larson

Test Date: December 13, 2014

Address: 1128 Washington Ave.  
Escanaba, MI 49829

Phone: (906) 786-5525

Company: Ironworkers Local 8

Employee ID Number:

Qualifies for ASME group p-1 to p-1

Type of Welding Process: **Manual**

Range Qualified: **Thickness .125 to UNLIMITED**

Base Material: Thickness: **1.00**

Diameter: **over 24 inches**

Electrical Characteristics: Current – **Direct**

Polarity – **Reverse**

Filler Metal: F No. 4 A No. 1

ASME Spec. **SFA – 5.1**

AWS Class **E-7018**

Filler Metal: Diameter – **1/8"**

Trade Name – **ATOM ARC**

Base Metal: **Plate**

Specification **A36**

Thickness **1.00**

Joint: **Single Vee**

Backing: **Yes**

Type **A36**

Describe any special preparation or procedure: As per Factor Test Assignment for Test #7 – 11A & 11B.

VISUAL INSPECTION

Appearance: **Acceptable**

Undercut: **Acceptable**

Piping Porosity: **Acceptable**

**Unlimited - Guided Bend Test Results**

No.	Pos.	Type	Results	No.	Pos.	Type	Results
1	3G Vertical	Side Bend	No Discontinuities	3	4G Overhead	Side Bend	1 crack 1/16"
2	3G Vertical	Side Bend	No Discontinuities	4	4G Overhead	Side Bend	1 crack 1/32"

Remarks:

Positions Qualified: **Flat, Horizontal, Vertical\*, and Overhead**

**PASSED**

(\*Up unless otherwise stated in remarks)

PROCESSES QUALIFIED: **SMAW Per AWS D1.1**

We certify that the statements made in this record are correct and that the test welds were prepared, welded, and tested in accordance with the requirements of the AWS structural welding code D1.1.

Witnessed by:

*Jan F. LaCount*

Jan F. LaCount

Tested/Evaluated by:

*Carl O. Peterson*

Carl O. Peterson