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IRON WORKERS DISTRICT COUNCIL

OF SOUTHERN OHIO & VICINITY

International Association of Bridge, Structural, Ornamental and Reinforcing Iron Workers

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(e) equipment = 26

Affiliated Local Unions
L.U.# 22 L.U.# 292
L.U.# 44 L.U.# 301
L.U.# 70 L.U.# 372
L.U.# 147 L.U.# 726
L.U.# 172 L.U.# 769
L.U.# 290 L.U.# 787

Welding Legislation William A. Woodward, President Iron Workers District Council of Southern Ohio and Vicinity June 27, 2017

Chair Young, Vice Chair DeVitis and Ranking Member Lepore-Hagan – Thank you for letting me present Support for HB127.

The highlights of this Welding Bill are:

- 1. Public safety legislation to "beef up" what is already required.
- 2. Addresses qualifications as required in job specifications by the engineer and architect.
- 3. Majority of construction contracts for projects involving erection require contactors to provide certification that all welders performing work on the contract are certified to meet AWS D1.1 but it is not currently required by statute.
- 4. Eliminates the current fraudulent methods used by unscrupulous contactors wherein family pets have successfully become certified welders by mandating on-site and in person certification as well as third-party welding inspections.

- 5. Does not apply to every single construction project only those as determined in the job specifications.
- 6. Allows for more oversight from neutral parties creating a safer working environment and more structurally sound buildings.
- 7. Eliminates individuals who have not been trained and are not qualified to perform welding services and therefore should not be working on our public projects.
- 8. Saves taxpayer dollars by ensuring projects are completed responsibly and efficiently, and by truly certified welders as required.

The history of this Legislation started with the collapse of McCracken County School in Paducah, Kentucky on May 22, 2011. (See example) The school collapsed on a Sunday when no one was on the job site.

Through our investigation we discovered the welders had falsified AWS Welding Certifications.

Lamar Construction received pay to erect the building, remove the collapsed steel and re-erect the new steel, with the insurance company and tax payers bearing the cost.

We contacted the Kentucky Insurance Fraud Division and they were shocked about the fake weld documents and launched a full investigation. They contacted the Attorney General which resulted in their own investigation because of the fake certifications.

As a result of those investigations the Nationwide Company closed its doors. They had used these fake documents on hundreds of jobs.

What we are discussing today is specifications that are in the job requirements and should have been followed. (See example)

There are 143 AWS affiliated schools that teach welding in Ohio. There are many AWS accredited testing facilities. It is unfair to companies and individuals who put in the time and money to achieve these certifications when others can fake it.

We wouldn't want doctors, lawyers, airplane pilots, and others faking their certifications.

Examples of fake welding certifications are having a CWI (Certified Welding Inspector) who retired in 2007 whose name still appears on the weld certifications in 2011 and 2012. (See example) Mr. Jones was interviewed by Channel 19 and stated these were fake papers with his name on them.

Another example is a document without test numbers on them. Each test and plate has numbers stamped on them. The same document has the page number on the bottom where it was copied out of the AWS book. (See example)

Another example is Marti Moore. Marti passed away in 2013 and his fake welding papers are still being submitted on jobs. (See example)

Another way of cheating the system is to have someone take the test for you and then take it to a non-accredited facility for testing. The weld might pass but you put anyone's name on it and these facilities never check.

This has resulted in Henry Wolfe, Robert Dash, Adam Barker, and Stewart Noon getting welding certifications. The problem is – these are three dogs and a cat that are legitimate certified welders. (See example)

The Facilities Manager stated in an interview that people could cheat this stuff all the time. (See example)

This Legislation will hold General Contractors and Inspectors responsible to do their jobs and make sure the certifications are done correctly and the result should be that who is doing the welding on their projects is actually that person with the certification and not a dog or a cat.

Our children, the public, and our workers are at risk. Currently there is no legislation even though it's in job specifications.

The General Contractor, Construction Managers and Inspectors should never allow this to happen on their jobs. This is not a Union – non-Union issue, this is a Safety issue. There are plenty of good contractors out there doing the right thing, when these others are having a huge advantage by faking certifications.

We need this Legislation to enforce what's already required in job specifications.

Thank you.

Construction's Welding Program: What You Need to Know

Inside:

- Statements from Construction's own workforce
- Affidavits of Certified Welding Inspectors hired to weld test Lamar employees
- Duplicate & Falsified Weld Certifications Submitted on Public Projects
- Testimony of Project Engineers on jobsites

Do You Want Your Project To End Up Like THIS:



McCracken County Consolidated High School collapse May 22, 2011.

Construction provided steel erection & welding services on the project

Construction lists welding as one of the many "high quality" services they provide their customers. They claim to be Quality Certified by the American Institute of Steel Construction (AISC). To be AISC certified a company must have a formal welding program that ensures compliance to American Welding Society (AWS) standards. Without trained welders certified to AWS standards, Lamar would be unable to win contracts. Unfortunately for their clients and employees, there is evidence that Lamar falls far short of AWS standards. They have used falsified welding certifications for thier workforce. Further, they have won construction contracts by submitting those same false documents to public entities.



Construction crane— McCracken County Collapse

Construction Failed to Meet Responsibilities Under AWS D1.1 Standards

Many construction contracts for projects involving steel erection contain language that requires contractors to provide certification that **all** welders performing work on the project have been tested to meet AWS D1.1 standards. This standard defines the protocol that must be used for welder qualifications and is nationally recognized. The AWS codes represent the bulk of the welding being performed in the industry today.

This is especially true for construction projects owned by public entities. Contractors who perform welding services on those projects must submit qualification documents (certifications) for any welder who will work on the project.

Based on testimony contained in this report, there is little doubt that Construction has failed to meet their responsibilities for qualification, inspection and performance under AWS D1.1 as described in contract language found in most public contracts today.

1.4.2 Contractor's Responsibilities. The Contractor shall be responsible for WPSs, qualification of welding personnel, the Contractor's inspection, and performing work in conformance with the requirements of this code and contract documents.

1.5.5 Welder, Welding Operator, and Tacker Qualification

NOTE: Additional requirements may be inserted if necessary. The methods of nondestructive testing required must be determined and specified.

Each welder, welding operator, and tacker assigned to work on this contract shall be qualified in accordance with the applicable requirements of AWS 01.1/01.1M and as specified in this section. Welders, welding operators, and tackers who make acceptable procedure qualification test welds will be considered qualified for the welding procedure used.

1.5.5.1 Previous Personnel Qualifications

At the discretion of the Contracting Officer, welders, welding operators, and tackers qualified by test within the previous 6 months may be accepted for this contract without re-qualification if all the following conditions are met:

- a. Copies of the welding procedure specifications, the procedure qualification test records, and the welder, welding operator, and tacker qualification test records are submitted and approved in accordance with the specified requirements for detail drawings.
- Testing was performed by an approved testing laboratory, technical consultant, or the Contractor's approved quality control organization.



Lamar Employee Testimony on Jobsite Issues

Testimony of former employee Pietro Marcantonio, working for Lamar on a Wal-Mart jobsite in Troy, Michigan, gives a clear picture of just how deep the issues at Lamar go. When asked repeatedly to be given proper training and safety gear, Marcantonio was brushed off by La-

management-both jobsite supervisors and the company safety director.

According to Marcantonio, the only time Lamar supervisors appeared to be concerned with his lack of welding certification was when there was a

possibility an inspector might discover Marcantonio had not been certified to weld. Lamar supervisors on the jobsite allowed Marcantonio to weld continuously-except during times when inspectors were onsite.

"On May 9, 2013 I was directed by my foreman...to not weld for approximately 3 hours because there was a weld Affidavi inspector on site and he didn't want me to get caught welding without certifications"

1. PIETRO MARIO MARCANTI of my knowledge:

I was employed by Lamar Construction Company in Hudsonville, Michigan. I worked for Lamar at a Walmart located on Big Beav Troy, Michigan where Immel Construction was the general contractor. I welded on ructural members including columns and tie joists and reinforced them with heavy large plate steel and angle iron continuously for 8-12 hours every day without ever be dested for a weld certification by Immel or Lamar. I continuously asked if I was going to vet weld certifications but I was ignored. On May 9, 2013 I was directed by my foreman for Lamar, Dave Wright, to not weld for approximately 3 hours because there was a weld inspector on site and he didn't want me to get caught welding without certifications. Immel's manager on site never asked me for any certifications either.

I was also allowed to operate a platform lift every day without ever receiving any type of training by Lamar or Immel. I questioned Lamar's Safety Director, Chris Smith, at Lamar's headquarters if I could be trained and certified to operate a platform and he told me to just go to work and eventually it would be done on a jobsite. I then questioned Dave Wright while on the jobsite if I needed to be certified or go through any training to operate platforms and he told me that I had to do it at the headquarters. Two opposite stories were told to me and I was confused and concerned for my safety and the safety of others and it seemed like nobody at Lamar knew what was going on with training workers to operate heavy equipment. I also questioned if I and the other workers were supposed to be wearing a lifesaving harness while working in the platform on the jobsite at all heights including high elevations and the response by Lamar foreman, Dave Wright, was "what safety harness, do you see us wearing safety harnesses, who cares?" Immel's project manager also witnessed every Lamar employee working out of platforms at heights without any safety harnesses and he did nothing about it.

I have worked in industrial settings all my life including for global companies around the world and I have never witnessed a jobsite that was more unsafe, disorganized, unprofessional and lacking in basic worker training and regulation such as safety and welding certifications like I witnessed while working for Lamar on the Immel Walmart project.

to Man Metans

Date 05/30/2013

LIETRO MARIO MARCANTONIO

SECTION 05120

STRUCTURAL STEEL FRAMING

PART 1 - GENERAL

1.01 SUMMARY

A. The work covered by this Section shall include all labor, material, equipment, permits, engineering and other services necessary for the fabrication and installation of structural steel and related work, complete, in accordance with the drawings and as specified herein.

1.02 CODES AND STANDARDS

A. Building Code: Structural steel work shall conform to the requirements of the 2007 Kentucky Building Code, and OSHA requirements, except where more stringent conditions or criteria occur in the standards referenced below and on the drawings.

B Standards

- American Institute of Steel Construction (ANSI/AISC 360), "Specification for Structural Steel Buildings".
- American Institute of Steel Construction (ANSI/AISC 341 and 341s1), "Seismic Provisions for Structural Steel Buildings", including Supplement No. 1.
- American Institute of Steel Construction (AISC 303-05), "Code of Standard Practice", shall apply except:
 - a. The last sentence of the last paragraph of Item 3.1.2 shall be revised from "...for approval." to read "...for review; the Fabricator's Engineer shall be professionally responsible for the connections they design."
 - b. Delete Item 3.6 "Fast-Track Project Delivery".
 - Delete Item 4.4 "Approval" and replace with the requirements of this project specification.
- American Welding Society, AWS D1.1-06, "Structural Welding Code".
- Research Council on Structural connections (RCSC), "Specification for Structural Joints Using ASTM A325 or A490 Bolts".
- 6. American Society for Testing and Materials, "ASTM Standards in Building Codes", various standards as referenced herein, latest edition.
- The Society for Protective Coatings (formerly Steel Structures Painting Council, "SSPC"), "Steel Structures Painting Manual".

C. Definitions:

- The term "Contract Documents" in this specification is defined as the design drawings and the specifications.
- The term "SER" in this specification is defined as the Structural Engineer of Record for the structure in its final condition.
- 3. The term "Design Professionals" in this specification is defined as the Owner's Architect
- The term "Contractor" in this specification is defined to include any of the following: General Contractor and their sub-contractors, Structural Steel Fabricator or Structural Steel Erector.
- 5. The term "Testing Agency" in this specification is defined as an independent testing and inspection service engaged by the Owner for quality assurance observation and testing of

McCracken County High School

steel construction in accordance with applicable building code provisions and any additional activities listed in the Contract Documents.

 The terms "for record" and "submit for record" in this specification are defined as Contractor submittals that do not require a response from the Design Professionals.

7. Working Days: Monday through Friday, except for federal or state holidays.

1.03 STRUCTURAL STEEL CONTRACTOR QUALIFICATIONS

- A. The term Structural Steel Contractor refers to any or all of the following parties, regardless of their contractual relationships: Structural Steel Fabricator, Structural Steel Detailer, Structural Steel Erector and Contractor's Engineer.
- B. Qualification Data: Submit qualification data (personnel and firm resumes, and project lists with references) for the Structural Steel Fabricator ("Fabricator"), Structural Steel Detailer ("Detailer"), Contractor's Engineer(s) and Structural Steel Erector ("Erector").
- C. The Fabricator shall have 10 years of comparable experience in installations of this type and shall employ labor and supervisory personnel familiar with the type of installation, experienced in fabrication and erection of structural steel for projects of similar size and complexity. At the time of bid the Fabricator shall be AISC certified to the Standard for Steel Building Structures (STD) and must submit proof of these qualifications. The Fabricator's qualifications shall be subject to review by the Design Professionals and Owner.

Fabricators without AISC Certification will be responsible to pay all costs associated for a
third party inspector to monitor the work in their shop; this inspector shall be selected and
hired by the Owner. The amount for the third party inspector will be deducted from the
approved contract amount.

- D. The Fabricator shall be AISC certified with the Sophisticated Paint Endorsement, and must submit proof of this endorsement.
- E. The Detailer shall have 10 years experience preparing detailed steel shop drawings.
- F. The Contractor's Engineer(s) shall be qualified to perform the type of work required by the project. The Engineer(s) shall be a Licensed Structural Engineer(s) in the State of the project. The Contractor's Engineer(s) shall have 10 years of experience being in responsible charge of work of this nature. The proposed Engineer(s) shall be subject to approval of Design Professionals and Owner.
- G. The Erector shall have 10 years of successful experience erecting structural steel for structures of this type and complexity in the region of the project
- H. Welding: Qualify the welding procedures, shop welders, field welders, welding operators and tackers in accordance with AWS D1.1 and for the following periods of effectiveness of certification:
 - Certification of welding personnel shall be less than six months old at commencement of welding on this project. Certification shall remain in effect for duration of work provided welders are continuously engaged in performing the type of welding for which they are certified, unless welders fail to perform acceptable welding, as determined by the Owner's Testing Agency. Certification and re-certification of welding personnel is subject to verification by the Testing Agency. Re-testing for re-certification will be the Contractor's responsibility.

05120-2

deformed bar anchors, cutting of heavy shapes, finishing of column ends, cleaning, painting and storage of material. All shop fabrication shall be inspected in the shop.

Field inspection of steel shall include connections, proper tensioning of bolts, , conformance to AWS welding methods, examination of surface before welding, b. examination and testing of completed welds, headed studs and deformed bar anchors and field priming, including touch-up.

Where testing is required for less than 100% of locations, select test locations at C. random and throughout the project

Review mill certifications for compliance with the Contract Documents.

High Strength Bolting: The Testing Agency inspector shall inspect high strength bolted construction in accordance with RCSC "Specification for Structural Joints using ASTM A 4. 325 or A 490 Bolts," including but not limited to:

Surface preparation and bolt type conforms to plans and specifications prior to start of bolting operations.

Proper bolt storage and handling procedures are being followed. b.

Visually inspect all bolted connections. C

- For all bolted connections that are indicated as snug tight, connections are d. properly compacted and brought to the snug tight condition progressing outward from the most rigid part. Connections shall be randomly inspected for compliance.
- For all bolted connections that are indicated as pre-tensioned or slip critical, preinstallation verification testing is performed by the inspector in cooperation with the e. contractor in accordance with RCSC section 9.2 and section 7.
- For all bolted connections that are indicated as pre-tensioned or slip critical, through routine observation, as defined in RCSC 9.2.1, 9.2.3 or 9.2.4, that the pref. tensioning methods of RCSC 8.2.1, 8.2.3, or 8.2.4, as appropriate, are performed.
- Retest bolted connections that fail initial inspection after correction by the g. Fabricator or Erector.

5. Welding

- Review of submittals: Welding procedures including prequalification, qualifications test and, for heavy shapes and high restraint welds, the welding procedure prepared by the Contractor's Engineer or Welding Consultant.
- Full penetration welds: Test full penetration welds for soundness by means of ultrasonic testing in accordance with AWS D1.1 and ASTM E164 procedures. All b. flaws in plate or flange material revealed during such tests shall be repaired by the Contractor at the Contractor's expense.
- Partial penetration welds: Test partial penetration welds for soundness by means of visual inspection, unless other methods are specified in the Contract C. Documents. All flaws in plate or flange material revealed during such tests shall be repaired by the Contractor at the Contractor's expense.

Fillet welds: Visually inspect fillet welds in accordance with AWS D1.1.

- Headed Studs and Deformed Bar Anchors: Visually inspect all headed studs and deformed bar anchors for complete fusion and full 360-degree weld flash (or fillet). 6.
 - Check all studs with incomplete fusion, and at random five studs at each of six beams per floor, by bending to an angle of 15 degrees from its original axis (away from any missing flash). If more than twenty percent of studs fail on one member, check all studs on member. In addition for each member with any defective studs, test an additional member.
 - Contractor to replace any studs that crack or break. Contractor to only straighten studs that would foul other work or have less than 1 inch cover in bent position.

Cleaning & Painting: 7.

Prior to shop painting, examine all fabricated pieces to verify proper cleaning in a. accordance with this specification.

Examine all shop painting to verify conformance with this specification.

b. Examine loading and unloading of steel to verify damage does not occur during C. shipping and handling.

05120-10

STRUCTURAL STEEL FRAMING SCB 0823 BG 09-298 08/13/10



AMERICAN WELDING SOCIETY ACCREDITED TEST FACILITIES UNITED STATES LISTING





Oklahoma	Ohio	Ohio	Ohio	Ohio	North Dakota	State
Central NDT 919 East Chicago Ave. Yale, OK 74085 Accredited since 2016	Vantage Career Center 818 North Franklin St. Van Wert, OH 45891 Accredited since 2008	Southern Hills Career and Technical Center 9193 Hamer Rd. Georgetown, OH 45121 Accredited since 2008	Hobart Institute of Welding Technology 400 Trade Square East Troy, OH 45373 Accredited since 1990	Apollo Career Center 3325 Shawnee Rd. Lima, OH 45806 Accredited since 2010	United Tribes Technical College: Welding Test Center 3315 University Dr. Bismarck, ND 58504 Accredited since 2015	Location
Charles Nobles cnobles@centralndt.com/www.centralndt.com/	Pete Prichard / Ted Verhoff prichard.p@vantagecareercenter.com www.vantagecareercenter.com	Vicki Carrington vicki.carrington@shctc.k12.oh.us http://www.shctc.k12.oh.us/	Chip Prinz chip.prinz@welding.org brenda.scott@welding.org	Ann Benfield ann.benfield@apollocc.org www.apollocareercenter.com	Sheridan McNeil smcneil@uttc.edu www.uttc.edu	Contact Name
(918) 387-3000	(419) 238-5411 Ext. 2114	(937) 378-6131 Ext 357	(937) 332-9500 Ext 9502	(419) 998-2980	(701) 255-3285 Ext 1409	Phone

AWS TRAINING CENTERS



Ehove Adult Career Center

IA?

SENSE schools only • Institution Type: all		
Name	City	URL
Adult Career Center-Mahoning County Career & Technical Center	Canfield, OH	website
Akron Public Schools	Akron, OH	website
Alliance High School	Alliance, OH	
Antwerp Local School	Antwerp, OH	
Apollo Career High School	Lima, OH	
Ashland County-West Holmes	Ashland, OH	
Atech High School	Jefferson, OH	
Auburn Career Center	Concord, OH	
Ayersville High School	Defiance, OH	
Belmont College	St. Clairsville, OH	website
Boardman High School	Boardman, OH	
Botkins Local School	Botkins, OH	
Buckeye Career Center	New Philadelphia, OH	
Buckeye High School	Medina, OH	
Buckeye Hills Career Center	Rio Grande, OH	website
Butler Tech -Adult Education	Hamilton, OH	
Canton South High School	Canton, OH	
Career & Technology Education Center	Newark, OH	
Ccctc - Adult Education	Lisbon, OH	website
Ccctc - High School	Lisbon, OH	
Cincinnati Job Corp Center	Cincinnati, OH	
Cincinnati State Technical & Community College	Harrison, OH	website
Cincinnati State Technical And Community College	Harrison, OH	website
Clark State Community College	Springfield, OH	
Collins Career Center	Chesapeake, OH	website
Columbus State Community College	Columbus, OH	website
Coshocton Co Career Center	Coshocton, OH	
Coshocton County Career Center	Coshocton, OH	website
Cuyahoga Falls High School	Cuyahoga Flesh, OH	
D Russel Lee Career Center	Hamilton, OH	
Deer Park Jr Sr High School	Cincinnati, OH	
Delaware Area Career Center	Delaware, OH	website
Diamond Oaks Cdc	Cincinnatti, OH	
East High School	Akron, OH	
Eastern Gateway C.c.	Steubenville, OH	
Eastern Gateway Community College	Steubenville, OH	website
Eastland Career Center	Groveport, OH	
	Milan OH	wohaita

Milan, OH

website

Elite Welding Academy	Cincinnati, OH	website
Findlay High School	Findlay, OH	
Four County Career Center	Archbold, OH	
Four County Voc School Dist	Archbold, OH	website
Gallia Jackson Vinton Jvs	Rio Grande, OH	
Goshen High School	Goshen, OH	
Great Oaks Career Development - Laurel Campus	Wilmington, OH	
Greene County Career Center	Xenia, OH	website
Greeneview High School	Jamestown, OH	
Hillsboro High School	Hillsboro, OH	
Hobart Institute Of Welding Technology	Troy, OH	website
Jefferson Co Joint Voc School	Bloomingdale, OH	website

A B C D E F G H J K L M N O P R S T U V W Z Next Last



Penta Career Center

SENSE schools only • Institution Type: all	~		
Name ↓		City	URL
Kent State University		Warren, OH	
Lakeland Community College		Kirtland, OH	
Lima Senior High Perfomance Based School		Lima, OH	
Lincoln Electric Welding School		Cleveland, OH	website
Live Oaks Jvhs		Milford, OH	
Logan High School		Logan, OH	website
Lorain City Schools		Lorain, OH	
Lorain County Community College		Elyria, OH	
Lorain County Joint Vocational School		Oberlin, OH	
Lutheran High School West		Rocky River, OH	
Lutton Associates		Columbus, OH	website
Madison Adult Career Center		Mansfield, OH	
Madison Comprehensive High School		Mansfield, OH	
Maplewood Career Center		Ravenna, OH	
Max S. Hayes Vocational High School		Cleveland, OH	
Medina County Joint Voc School		Medina, OH	
Meigs High School		Pomeroy, OH	
Miami Valley Career Tech Center		Clayton, OH	
Mid-East Ohio Vocational		Zanesville, OH	
Millstream Adult Workforce Education		Findlay, OH	website
Millstream Career & Tech		Findlay, OH	
Monroeville High School		Monroeville, OH	
Morrison R Waite High School		Toledo, OH	
North Central Local School		Pioneer, OH	
North Central State College		Mansfield, OH	
Northeast Career Center		Columbus, OH	
Northern Career Institute Of Willoughby		Willoughby, OH	
Northwest State Community College		Archbold, OH	
Norwayne High School		Creston, OH	
Ohio State Agri Tech Institute		Wooster, OH	
Ohio State University		Columbus, OH	
Ohio State University-Welding		Columbus, OH	
Ohio Technical College		Cleveland, OH	website
Ohio Univ Lancaster		Lancaster, OH	
Ohio University		Athens, OH	
Owens Community College-Toledo		Toledo, OH	
Patrick Henry High School		Hamler, OH	

Perrysburg, OH

Perry High School	Massillon, OH	
Pickaway-Ross Career Tech Ctr	Chillicothe, OH	website
Pike County Career Technology Center	Piketon, OH	
Pioneer Tech College	Shelby, OH	website
Pleasant High School	Marion, OH	
Polaris Career Center	Middleburg Hts, OH	
Port Clinton High School	Port Clinton, OH	
Portage Lakes Career Center	Green, OH	
R G Drage Career Center	Massillon, OH	
Sandusky High School	Sandusky, OH	
Scarlet Oaks Career Development Campus	Cincinnati, OH	
Scioto County Joint Vocational School	Lucasville, OH	

First Previous A B C D E F G H J K L M N O P R S T U V W Z Next Last



Name Į	City	URL
Shadyside High School	Shadyside, OH	
Shawnee High School	Lima, OH	
South-Western Career Academy	Grove City, OH	website
Southern Hills Joint	Georgetown, OH	
Southernhills Joint Vocational School	Geogetown, OH	
Springfield - Clark Ctc	Springfield, OH	website
Springfield Clark Jvs	Springfield, OH	
St Marys City Schools-Tri Star	St. Marys, OH	
St. Mary School - Tri Star	St Marys, OH	
St. Marys Memorial High School	St Marys, OH	
Stark County Vocational School	Massillon, OH	
Stark State College Of Technology	North Canton, OH	website
Swiss Hills Career Center	Woodsfield, OH	
Tecumseh High School	New Carlisle, OH	
Terra Community College	Fremont, OH	
Tolles Career And Technical Center	Plain City, OH	website
Tri-County Career Center	Nelsonville, OH	
Tri-Rivers Career Center	Marion, OH	
Tri-Valley High School	Dresden, OH	
Trumbull Career & Tech Center	Warren, OH	
Trumbull Career And Technical Center	Warren, OH	website
U.s. Grant Career Center J.v.s.	Bethel, OH	
University Of Northwestern Ohio	Lima, OH	
University Rio Grande	Rio Grande, OH	
University Toledo	Toledo, OH	
Upper Valley Joint Vocational School	Piqua, OH	
Upper Valley Jvs Welding	Piqua, OH	
Vanguard - Sentinel Career And Technology Center	Tiffin, OH	website
Vanguard Career Center	Fremont, OH	
Vantage Career High School	Van Wert, OH	
Vantage Vocational Career Center	Vanwert, OH	
Vern Riffe Joint Vocational School	Piketon, OH	
Versailles High School	Versailles, OH	
Warren County Career Center	Lebanon, OH	
Warren High School	Vincent, OH	
Washington County Career	Marietta, OH	
Washington State Community College	Marietta, OH	website
Watkins Memorial High School	Pataskala, OH	

Wayne Co Schools Career Center	Smithville, OH	
Wayne County Schools	Smithville, OH	
West Liberty-Salem School	West Liberty, OH	
West Shore Vocational District	Lakewood, OH	
Whitmer Career And Tech Center	Toledo, OH	
Whitmer High School	Toledo, OH	
Wrayco Industries	Stow, OH website	
Zane State College	Cambridge, OH	

First Previous A B C D E F G H J K L M N O P R S T U V W Z

WELDER, WELDING OPERATOR, OR TACK WELDER QUALIFICATION TEST RECORD

DISCOURSE LINEAGUES CHASINASIAN NA RIE JO		lon No
Welding Procedure Specification No. <u>ME-3G</u>	Rev 0	Date 5/8/00
	Record Actual Values Used in Qualification	Qualification Range
Variables	M34777	
Process/Type [Table 4.11, Item (1)] Electrode (single or multiple) [Table 4.11, Item (8)]	SMAW	
Current/Polarity	Multiple DCEP	Manua1
Citetion Olarity	DCEF	DCEP
osition [Table 4.11, Item (4)]	. 3G	
Weld Progression [Table 4.11, Item (6)]	Üp	Up
11 000	-	
acking (YES or NO) [Table 4.11, Item (7)]	No	Without Backing
aterial/Spec. ase Metal	ASTM A36 LOASTMA99	4
Thickness: (Plate)		
Groove	3/8"	
Fillet	-7-	
Thickness: (Plpe/tube)		
Groove	*	
Fillet		
Dlameter: (Pipe)		
Groove	Enger MATTER State Committee Committ	X.
Fillet		
er Melal [Table 4.11, Item (3)]:		
Spec. No.	A5.1	
Nass -No, [Table 4.11, Item (2)]	E7018	
s/Flux Type [Table 4.11, Item (3)]		
er		-
	nd Test Results (4,30.5)	
Type Result .	Туре	Result
		Result
Fillet Test Resu	ults (4.30.2,3 and 4.30.4,1)	
Fillet Test Resu	uits (4.30.2.3 and 4.30.4.1) Fillet Size	
Fillet Test Resupearance	uits (4.30.2,3 and 4.30.4.1) Fillet Size Macroetch	
Fillet Test Resu pearance clure Test Root Penetration_ escribe the location, nature, and size of any crack o	uits (4.30.2,3 and 4.30.4,1) Fillet Size Macroetch or tearing of the specimen.)	
Fillet Test Resu pearance clure Test Root Penetration_ escribe the location, nature, and size of any crack o	uits (4.30.2,3 and 4.30.4,1) Fillet Size Macroetch or tearing of the specimen.) Test Number	
Fillet Test Resu pearance	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date	
Fillet Test Resu pearance	uits (4.30.2,3 and 4.30.4,1) Fillet Size Macroetch or tearing of the specimen.) Test Number	
Fillet Test Resupearance pearance course Test Root Penetration escribe the location, nature, and size of any crack of ested by unization RADIOGRAPHIC im identification	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date	
Fillet Test Resu pearance	wits (4.30.2,3 and 4.30.4,1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification	
Fillet Test Resupearance pearance pearance politic Test Root Penetration escribe the location, nature, and size of any crack of each by unization RADIOGRAPHIC im identification	uits (4.30.2,3 and 4.30.4,1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification	
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Fillet Test Results pearance	uits (4.30.2,3 and 4.30.4,1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification	
Fillet Test Results Fillet Test Results Fillet Test Results From Fillet Test Results From Fillet Test Results Fillet Test Results From Fillet From	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Resul	
Fillet Test Results Penetration Describe the location, nature, and size of any crack of sected by inization FADIOGRAPHIC Penetration FADIOGRAPHIC	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Resul	ts Remarks
Fillet Test Results and size of any crack of second by initial on the initial on	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Resul Test Number Date	is Remarks
Fillet Test Resulter Test Resulter Test Root Penetration Scribe the location, nature, and size of any crack of socied by initialion RADIOGRAPHIC midentification Number Results Remarks Acceptable reted by J. Jones sizetion MQS se undersigned, certify that the statements in this rec	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Resul Test Number Date 6/1/12 cord are correct and that the test welds f AWS D1.1/D1.1M, (2004) Sta	ts Remarks
Fillet Test Results Penetration pecribe the location, nature, and size of any crack of sected by purization RADIOGRAPHIC Penetration RADIOGRAPHIC Penetration RADIOGRAPHIC Penetration Number Results Remarks Acceptable Preted by J. Jones Inization MQS The undersigned, certify that the statements in this requirements of Section 4 of	rits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Result Test Number Date 6/1/12 cord are correct and that the test welds f AWS D1.1/D1.1M, (2004) States (year)	is Remarks
Fillet Test Results Penetration pecrape the location, nature, and size of any crack of sected by initialized Penetration RADIOGRAPHIC Penetration RADIOGRAPHIC Penetration RADIOGRAPHIC Penetration REPLACE PROVIDES PENETRAL P	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Pate Fest Number Date Test Number Date Authorized By Authorized By Fillet (4.30.4.1) Fillet Size (4.30.3.2) Film Identification Number Result Test Number Date Authorized By	is Remarks
Fillet Test Results Penetration pecrape the location, nature, and size of any crack of sected by initialized Penetration RADIOGRAPHIC Penetration RADIOGRAPHIC Penetration RADIOGRAPHIC Penetration REPLACE PROVIDES PENETRAL P	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Result Test Number Date G/1/12 cord are correct and that the test welds (AWS D1.1/D1.1M, (2004) Structure (2004) Structure (2004) Authorized By Date Date 6/1//12	ts Remarks were prepared, welded, and uctural Welding Code—Steel.
Fillet Test Results Penetration Packed by Inization RADIOGRAPHIC Penetration Number Results Remarks Acceptable Pereted by J. Jones Penetration MQS Penetration Penetrat	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Pate Fest Number Date Test Number Date Authorized By Authorized By Fillet (4.30.4.1) Fillet Size (4.30.3.2) Film Identification Number Result Test Number Date Authorized By	ts Remarks were prepared, welded, and uctural Welding Code—Steel,
Fillet Test Results Penetration The pearance Penetration Pescribe the location, nature, and size of any crack of sected by Penetration Penetration Pescribe the location, nature, and size of any crack of sected by Penetration Penetrat	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Result Test Number Date G/1/12 cord are correct and that the test welds (AWS D1.1/D1.1M, (2004) Structure (2004) Structure (2004) Authorized By Date Date 6/1//12	ts Remarks were prepared, welded, and uctural Welding Code—Steel,
Fillet Test Results Remarks Acceptable reted by Johnstellon reted by Johnstellon Acceptable reted by Johnstellon reted by John	uits (4.30.2.3 and 4.30.4.1) Fillet Size Macroetch or tearing of the specimen.) Test Number Date TEST RESULTS (4.30.3.2) Film Identification Number Result Test Number Date G/1/12 cord are correct and that the test welds (AWS D1.1/D1.1M, (2004) Structure (2004) Structure (2004) Authorized By Date Date 6/1//12	ts Remarks were prepared, welded, and uctural Welding Code—Steel,
Fillet Test Results reted by J. Jones in conformance with the requirements of Section 4 of Section 4 of Section 2 of Section 4 of Section 2 of Section 4 of Section 2 of Section 4 of Section 3 of Section 4 of Secti	r tearing of the specimen.) Test Number Date Test Number Number Date Test Number Authorized By Date Authorized By Date FIRC - Authorized By Date CH - 19 5 100	ts Remarks s were prepared, welded, and uctural Welding Code—Steel,

WELDER, WELDING OPERATOR, OR TACK WELDER QUALIFICATION TEST RECORD

Type of Welder Welder	Identificatio	n No
Name Aaron Kigg		Date 5/8/00
Welding Procedure Specification No. ME-3G	The second secon	Dais
	Record Actual Values Used In Qualification	Qualification Range
Variables Process/Type [Table 4.11, Item (1)]	SMAW	
Electrode (single or multiple) [Table 4.11, Item (8)]	Multiple	Manual
Current/Polarity	DCEP	DCEP
Cottenar cights		
Position [Table 4.11, Item (4)]	3G	dū
Weld Progression [Table 4.11, Item (6)]	Up ·	
Backing (YES or NO) [Table 4.11, Item (7)]	No	Without Backing
Material/Spec. AST	M A36 toASTMA992	
Base Metal		
Thickness: (Plate)		_
Groove	3/8"	
Filet		
Thickness: (Pipe/tube)		
Groove		
Fillet		
Diameter: (Pipe)		
Groove		
Fillet Filler Metal [Table 4.11, Item (3)]:		
Spec. No.	A5.1	
	E7018	
F-No. (Table 4.11, Item (2))		
Gas/Flux Type [Table 4.11, Item (3)]		
Other		
· Acceptable YE	CTION (4.8.1) S or NO Yes	
Gulded Bend Tes	t Results (4.30.5)	
Type Result	Туре	Result
	•	
Fillet Test Results (4	.30.2.3 and 4.30.4.1) Fillet Size	·
Appearance	Fillet Size	
AppearanceFracture Test Root Penetration	Macroelch	
(Describe the location, nature, and size of any crack or tear	ng of the specimen.)	
Inspected by	Test Number	
Organization	Date	
DADIOGRADHIC TECT	T RESULTS (4.30.3.2)	
Film Identification	Film Identification Number Resu	lts Remarks
Number Results Remarks	Idnillier 11920	ita yioniwije
Acceptable		
	- Marian	
Interpreted by J. Jones .	Test Number 7/2/11	
Organization MOS	Dale	
We, the undersigned, certify that the slatements in this record a tested in conformance with the requirements of Section 4 of AWS	(vear)	is were prepared, welded, and iructural Welding Code—Steel.
Manufacturer or Contracto Erectors Inc.	. 177	-
the state of the s		

WELDER, WELDING OPERATOR, OR TACK WELDER QUALIFICATION TEST RECORD

Name Darren Gre	У		Identification	No.	
Welding Procedure Specifica	lion No. ME-3G	Rev 0		Dale5/	8/00
Variables Process/Type [Table 4.11, Iter Electrode (single or multiple) Current/Polarity	m (1)] [Table 4.11, liem (8)]	Record Actual Used in Quali SMAW Multiple	fication	Manua	ation Range
Position (Table 4.11, Item (4))		DCEP 3G		DCEP	
Wold Progression [Table 4.1	1, Item (6)]	UP		Up	
Backing (YES or NO) [Table 4, Material/Spec, Base Metal Thickness: (Plate) Groove Fillet Thickness: (Pipe/tube) Groove		No ASTM A36 toAS	TMA992	ithout	Backin
Fillet Diameter: (Pipe) Groove Fillet Filler Metal [Table 4.11, Item (3)] Spec. No.	: !:				
Class F-No. [Table 4.11, Item (2)] Bas/Flux Type [Table 4.11, Item Other	(3)]	A5.1 E7018		SUNGAR	
	VISUAL IN	ISPECTION (4.8.1) YES or NO Yes			
	Gulded Bend	Test Results (4.30.5)			
Туре	Result	Туре	 	Result	t
			-		
Appearance		s (4.30.2.3 and 4.30.4.1) Fillet Size			
Fracture Test Root Penetration_ Describe the location, nature, ar spected by	nd size of any crack or i	Macroelch		*	
		Test Number			
ganization		Date			
	RADIOGRAPHIC T	EST RESULTS (4.30.3.2)			
Film Identification Number Results	. Remarks	Film Identification Number	Results	Rer	marks
Accepta	ble				
erpreted by J. Jones ganization MQS		Test Number 117	28/11		
, the undersigned, certify that the ed in conformance with the require	slatements in this recorements of Section 4 of A	d are correct and that the te	and sunded a sun a	e prepared,	welded, and
nufacturer or Contractor	Erectors In	C . Authorized By	28/11		
		Date 11/2	70/ TT		

WELDER, WELDING OPERATOR, OR TACK WELDER QUALIFICATION TEST RECORD

Name Chris Asbury Welding Procedure Specification	No ME-3C	Sou A		Data 5/	8/00
aveland Liocedate Shedingano	FINU. ME-JB			Date	07 00
		Record Act		C. Sie	stles Deser
Variables ·		Used in Qu	alincation	Quanne	ation Range
Process/Type [Table 4.11, Item	(4))	C356 Ta 24			
Electrode (single or multiple) [Ta		SMAW		• • • • • • • • • • • • • • • • • • • •	
Current/Polarity	sole 4.11, item (0)j	Nultiple DCEP		<u>Малиа.</u>	<u></u>
- and area ordered		DODA		DCEP	
Position [Table 4.11, Item (4)]		3 <i>G</i>			
Weld Progression [Table 4.11,	Item (6)]	כונו		Ūp	*
Backing (YES or NO) [Table 4.11	1. Item (7))	No	1	Without	Backing
Waterlal/Spec.	., (- /3		ASTMA992		
Base Meial		MOZE MOO W	25 111113,32		
Thickness: (Plate)			1		
Groove		3/8"	1		
Fillet					
Thickness: (Pipe/tube)		Name and professional and the Property of the Control of the Contr			
Groove					
Fillet					
Dlameter: (Pipa)					
Groove					
Fillet					
iller Metal [Table 4.11, Item (3)]:					
Spec. No.		A5.1			
Class		37018			
F-No. [Table 4.11, Item (2)]					
as/Flux Type (Table 4.11, Item (3	3)]	-			
ther					
April 1997	VISUAL	INSPECTION (4.8.1)			
Тура	Acceptabl	INSPECTION (4.8.1) le YES or NO Yes ld Test Results (4.30.5) lype		Resu	lt
	Acceptabl Guided Ber Result	te YES or NO Yes and Test Results (4.30.5)		Flesu	lt
	Acceptabl Guided Ber Result	le YES or NO YES ad Test Results (4.30.5)		Resul	
	Acceptabl Guided Ber Result Fillet Test Res	te YES or NO YES ad Test Results (4.30.5) Type lite (4.30.2.3 and 4.30.4.	1)		
ppearance	Acceptable Guided Ber Result Fillet Test Resu	te YES or NO Yes Id Test Results (4.30.5) Type Life (4.30.2.3 and 4.30.4) Fillet Size	1)		
ppearance	Acceptable Guided Ber Result Fillet Test Resu	te YES or NO Yes Id Test Results (4.30.5) Type Life (4.30.2.3 and 4.30.4) Fillet Size	1)		
ppearance	Acceptable Guided Bern Result Fillet Test Result I size of any creck of	te YES or NO YES and Test Results (4.30.5) lype life (4.30.2.3 and 4.30.4 Fillet Size Macroetch r learing of the specimer	1)		
ppearance	Acceptable Guided Bern Result Fillet Test Result I size of any crack of	te YES or NO YES ad Test Results (4.30.5) Type lite (4.30.2.3 and 4.30.4 Fillet Size Macroetch retaring of the specimer Test Number	1)		
ppearance	Acceptable Guided Ber Result Fillet Test Result I size of any crack o	te YES or NO Yes ad Test Results (4.30.5) Type ults (4.30.2.3 and 4.30.4. Fillet Size Macroetch r tearing of the specimer Test Number Date	1)		
ppearance	Acceptable Guided Ber Result Fillet Test Result I size of any crack o	te YES or NO Yes ad Test Results (4.30.5) Type life (4.30.2.3 and 4.30.4) Fillet Size Macroetch r learing of the specimer Test Number Date TEST RESULTS (4.30.3	1)		
ppearance acture Test Root Penetration rescribe the location, nature, and pected by anization	Acceptable Guided Ber Result Fillet Test Result I size of any crack of RADIOGRAPHIC	te YES or NO YES ad Test Results (4.30.5) life (4.30.2.3 and 4.30.4 Fillet Size Macroetch rearing of the specimer Test Number Date TEST RESULTS (4.30.3	1)		
ppearance acture Test Root Penetration rescribe the location, nature, and pected by anization illm Identification Results	Acceptable Guided Ber Result Fillet Test Result I size of any crack of RADIOGRAPHIC REMARKS	te YES or NO Yes ad Test Results (4.30.5) Type life (4.30.2.3 and 4.30.4) Fillet Size Macroetch r learing of the specimer Test Number Date TEST RESULTS (4.30.3	1)		
ppearance acture Test Root Penetration rescribe the location, nature, and pected by anization	Acceptable Guided Ber Result Fillet Test Result I size of any crack of RADIOGRAPHIC REMARKS	te YES or NO YES ad Test Results (4.30.5) life (4.30.2.3 and 4.30.4 Fillet Size Macroetch rearing of the specimer Test Number Date TEST RESULTS (4.30.3	1)		
ppearance acture Test Root Penetration iescribe the location, nature, and pected by anization ilm Identification	Acceptable Guided Ber Result Fillet Test Result I size of any crack of RADIOGRAPHIC REMARKS	te YES or NO YES ad Test Results (4.30.5) life (4.30.2.3 and 4.30.4 Fillet Size Macroetch rearing of the specimer Test Number Date TEST RESULTS (4.30.3	1)		
ppearance	Acceptable Guided Ber Result Fillet Test Result I size of any crack of RADIOGRAPHIC REMARKS	te YES or NO Yes ad Test Results (4.30.5) life (4.30.2.3 and 4.30.4 Fillet Size Macroetch rearing of the specimer Test Number Date TEST RESULTS (4.30.3 Film Identification Number	1) 3.2) Results		
ppearance acture Test Root Penetration iescribe the location, nature, and pected by anization ilm Identification	Acceptable Guided Ber Result Fillet Test Result I size of any crack of RADIOGRAPHIC REMARKS	te YES or NO Yes ad Test Results (4.30.5) life (4.30.2.3 and 4.30.4 Fillet Size Macroetch rearing of the specimer Test Number Date TEST RESULTS (4.30.3 Film Identification Number	1)		
ppearance	Acceptable Guided Ber Result Fillet Test Result I size of any crack of RADIOGRAPHIC Remarks 1 e	te YES or NO YES ad Test Results (4.30.5) Type life (4.30.2.3 and 4.30.4) Fillet Size Macroelch r learing of the specimer Test Number Date TEST RESULTS (4.30.3) Film Identification Number Test Number Date Test Number AWS D1.1/D1.1M, (200	1) Results 717/12 To jest welds w	Re	marks welded, and

*J. JONES

* Mas was sold before his retirement to T.E.A.M. INDUSTRIAL

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AWS D1,1/D1,1M:2010

Resubmission after Re-Certification

Wolding Propedure Courter in the state		_ Identificatio	n No.
Welding Procedure Specification No. ME-3G	Rev 0		Date 9/3/14
	Record Ac	lual Values	
Variables		ualilication	Qualification Range
Process/Type [Table 4.12, Item (1)]	SMAW		
Electrode (single or multiple) [Table 4.12, Item (7)]			
Current/Polarity	Muki		Manual
David- Press			
Position [Table 4.12, Item (4)]	30	G	
Weld Progression [Table 4.12, Item (5)]	Uş)	tio
Backing (YES or NO) [Table 4.12, item (6)]	No		
Material/Spec.			Without backing
Base Metal	ASTM A36 to	ASTM A992	
Thickness: (Plate)	0:10	211	**
Groove	3/8	3" ·	
Fillet			
Thickness: (Pipe/tube)			
Groove Fillet		1	
Diameter: (Pipe)		-	(4740) 704
Groove			
Fillet			
ller Metal (Table 4.12)			
Spec. No.	A5.	1	
Class			
F-No. [Table 4.12, Item (2)]	E7018		
is/Flux Type (Table 4.12)			
her			
Acceptable Yi Guided Bend Tes Type Result	ES or NO YES st Results (4.31.5) Type		Result
	<u> </u>		
pearanceFillet Test Results (4	1.31.2.3 and 4.31.4 Fillet Size	.1)	
acture Test Root Penetration			
escribe the location, nature, and size of any crack or tear	ing of the specimer	1.)	
ected by	Test Number		
a neguoti	Dale		
RADIOGRAPHIC TEST	RESULTS (4.31.5	3.2)	
im identification	Film Identification		
Number Results Remarks	Number	Results	D
ACCEPTABLE		Nesuits	Remarks
:			· · · · · · · · · · · · · · · · · · ·
preted by Jeremy Gribben	Tool Number		
nization Acuren	Test Number		10
he undersigned, certify that the statements in this record ard I in conformance with the requirements of Clause 4 of AWS	re correct and that the D1.1/D1.1M, (2010	j Siruci	ere prepared, welded, and wal Welding Code—Steel.
		ear) President	
facturer or Contractor Merit Erectors Inc.	MUIDUUSAN MU IMM		
facturer or Contractor Merit Erectors Inc. N-4	Authorized By The Date 9/3/14	1 TOOLETT	

Type of Welder Welder Namo Corry McCool		Idstel	ation No.	
Welding Procedure Specification	on No. ME-39	Rev _0	on No	
Variables Process/Type [Table 4.12, Item	1 (1)]	Record Actual Values Used in Qualification SMAW	Qualification Range	
Electrode (single or multiple) [Table 4.12, Item (7)] Current/Polarity		Multiple DCEP	Manual	
Position [Table 4.12, Item (4)] Weld Progression [Table 4.12	3. Harra (5)1	3G	DCEP	
	17.57	Up -	Up	
Backing (YES or NO) [Table 4.1 Material/Spec.	2, Item (6)]	No ASTM A36 to ASTM A992	Without backing	
Base Metal Thickness: (Plate)		2/0"		
Groove		(3/8")		
Fillet Thickness: (Plpe/tube)				
Groove				
Fillet Diameter: (Pipe)				
Groove			W. California and Cal	
Fillet				
Filler Metal (Table 4.12) Spec. No.		A5.1		
Class		E7018	4	
F-No. [Table 4.12, Item (2)] Gas/Flux Type (Table 4.12)				
Other				
Турө		YES or NO <u>Yes</u> est Results (4.31.5) Type	Result	
Appearance	Fillet Test Results	(4, <u>31</u> ,2.3 and 4, <u>31</u> ,4.1) Fillet Size		
Fracture Test Root Penetration_		Macroetch		
(Describe the location, nature, a	nd size of any crack or tea	aring of the specimen.)		
nspected by Organization		Test Number Date		
-0	RADIOGRAPHIC TES	OT DECLUTE (4 04 0 0)	1	
	TIADIOGIA TIIO IE	51 HESULIS (4.31.3.2)		
Film Identification		Film Identification		
Film Identification Number Results	s Remarks	The same of the sa	ults Remarks	
Film Identification	s Remarks	Film Identification	ults Remarks	
Film Identification Number Results Accepteble	s Remarks	Film Identification Number Rest	ults Remarks	
Film Identification Number Results Accepted Iterpreted by Phil Savage	s Remarks	Film Identification Number Rest Test Number	ults Remarks	
Film Identification Number Results	S Remarks le	Film Identification Number Rest Test Number Date 10/1/14 are correct and that the test weld (S D1.1/D1.1M, (200)) S		
Film Identification Number Results Accepted Acce	s Remarks le 9 statements in this record rements of Clause 4 of AW ctors Inc.	Test Number Rest Test Number Date 10/1/14 are correct and that the test weld (S D1.1/D1.1M, (2010) S (year) Authorized By	ds were prepared, welded, and tructural Welding Code—Steel.	
Film Identification Number Results Accepted Acce	s Remarks le e statements in this record rements of Clause 4 of AW	Test Number Rest Test Number Rest Test Number Date 10/1/14 are correct and that the test weld (S D1.1/D1.1M, (2010) S (year) Authorized By Called Present	ds were prepared, welded, and tructural Welding Code—Steel.	

WELDER, WELDING OPERATOR, OR TACK WELDER QUALIFICATION TEST RECORD Type of Welder Welder Name Rick Lovins Identification No. Welding Procedure Specification No. ME-3G Date 10/1/14 Rev D Record Actual Values Used in Qualification Qualification Range Variables **SMAW** Process/Type [Table 4.12, Item (1)] Electrode (single or multiple) [Table 4.12, Item (7)] Multiple Manual Current/Polarity DOEP 3G Position [Table 4.12, Item (4)] Weld Progression [Table 4.12, Item (5)] Up Without backing No Backing (YES or NO) [Table 4.12, Item (6)] Material/Spec. ASTM A36 to ASTM A992 Base Metal Thickness: (Plate) 3/8" Groove Fillet Thickness: (Pipe/tube) Groove **Fillet** Diameter: (Pipe) Groove Fillet Filler Metal (Table 4.12) A5.1 Spec. No. Class E7018 F-No. [Table 4.12, Item (2)] Gas/Flux Type (Table 4.12) Other **VISUAL INSPECTION (4.9.1)** Acceptable YES or NO Yes Guided Bend Test Results (4.31.5) Type Result Туре Result Fillet Test Results (4.31.2.3 and 4.31.4.1) Appearance Fillet Size Fracture Test Root Penetration Macroetch (Describe the location, nature, and size of any crack or tearing of the specimen.) Inspected by Test Number Organization Date RADIOGRAPHIC TEST RESULTS (4.31.3.2) Film Identification Film Identification Number Results Remarks Number Results Remarks

361 - CONY

) Structural Welding Code-Steel.

Test Number

Date 10/1/14

Authorized By

We, the undersigned, certify that the statements in this record are correct and that the test welds were prepared, welded, and

Acceptable

tested in conformance with the requirements of Clause 4 of AWS D1.1/D1.1M, (2016

Interpreted by Phil Savage

Manufacturer or Contractor Erectors Inc.

Organization Acuren

Form N-4

WELDER, WELDING OPERATOR, OR TACK WELDER QUALIFICATION TEST RECORD

Record Actual Values Qualification SMAW	e <u>Marti Moore</u>		dentification		
Variables Crocess/Type Table 4.11, tem (1) SMAW Multiple Manual DCEP D	ling Procedure Specification No. ME-3G	Rev0		Date5/	8/00
Variables Vari					
Process/Type Table 4.11,	Variables	Used in Qualific	cation	Qualifica	ation Range
Multiple Manua DCEP DC		CMATT			
DCEP	rode (single or multiple) [Table 4.11 [tom (9)]			7.00	
Substitute Sub		Multiple			1
Weld Progression [Table 4.11, Item (6)]	and olarity	DCEP		DCEP	
Up	on [Table 4.11, Item (4)]	3G			
ASTM A36 to ASTMA992	ld Progression [Table 4.11, Item (6)]			qU	
ASTM A36 to ASTMA992 to ASTMA9992 to ASTMA992 to ASTMA9992 to ASTMA992 to ASTMA9992 to ASTMA992	(VEC NO) ET 11 4 4 4 1 (FV)				
Assemble				Without	Backing
Thickness: (Plate) 3/8		M A36 to AS	TMA992		×
Groove 3/8"					
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3. the undersigned certify that the statements in this record are correct and that the test would were present					
ted in conformance with the requirements of Section 4 of AWS D1.1/D1.1M, (2004) Structural Weld	undersigned, certify that the statements in this record a n conformance with the requirements of Section 4 of AWS	3 D1.1/D1.1M, (200)4) Str	s were prepar uctural Weldir	red, welded, a ng Code—Ste
anufacturer or Contractor Erectors Inc. Authorized By Date 8/22/06			HAL)		

DECEASED 12/27/2013



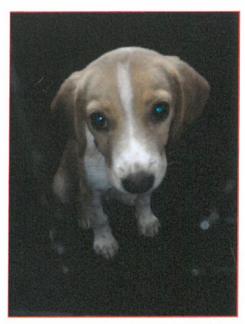
*

WELDER, WELDING OPERATOR, OR TACK WELDER QUALIFICATION TEST RECORD

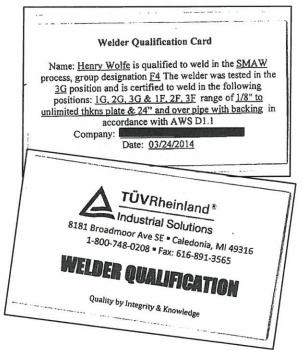
Type of Welder Welder		
Name Jamie Estes:	Identification	on No.
Welding Procedure Specification No. ME-3G		Date 5/8/00
Variables	Record Actual Values Used in Qualification	Qualification Range
Process/Type [Table 4.11, Item (1)]	SMAW	
Electrode (single or multiple) [Table 4.11, Item (8)]	Multiple	Manua1
Current/Polarity	DCEP	DCEP
· · · · · · · · · · · · · · · · · · ·		DCEI
Position [Table 4.11, Item (4)]	3G	
Weld Progression [Table 4.11, Item (6)]	Up	Up
Pooking (VES or NO) (Table 4.11 Ham (7))	No	Without Backing
Backing (YES or NO) [Table 4.11, Item (7)] Material/Spec.		
Base Metal	IM A36 toASTMA99	4
Thickness: (Plate)		
Groove	3/8"	
Fillet		
		<u> </u>
Thickness: (Pipe/tube) Groove	•	
Fillet		
Diameter: (Pipe)		
Groove		
Fillet		
Filler Metal [Table 4.11, Item (3)]:		
Spec. No.	A5.1	
Class	E7018	1
F-No. [Table 4.11, Item (2)]		
Gas/Flux Type [Table 4.11, Item (3)]		1
Other		
	ECTION (4.8.1) ES or NO Yes	
Guided Bend Te	st Results (4.30.5)	40
Type Result	Туре	Result
	4.30.2.3 and 4.30.4.1)	
	Fillet Size	
Appearance Fracture Test Root Penetration		
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Organization	Date	*
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Film Identification	Film Identification	
Number Results Remarks	Number Res	ults Remarks
Acceptable		
		8
nterpreted by J. Jones	Test Number	
Organization MQS	Date 5/25/04	
We, the undersigned, certify that the statements in this record ested in conformance with the requirements of Section 4 of AW	/S D1.1/D1.1M, (2004)	lds were prepared, welded, and Structural Welding Code—Steel.
Manufactures or Contracts Freetons Inc	(year)	AND THE PARTY OF T
Manufacturer or Contractor Erectors Inc	• Authorized By	
	Date 5/25/04	

HASN'T WORKED FOR IN OVER 8 MONTHS

Dog Gets Welding Certification Papers from Materials Testing facility







The Worker's Freedom Coalition (WFC) revealed today that a dog received his welding certifications from NDT Materials testing facility, a division of TÜV Rheinland. Henry Wolfe, a 7 year old half basset hound-half Chihuahua, is now certified to perform welding services on construction projects.

is an inspection company that provides visual and non-destructive testing () of welds that can assess a welder's performance. Claims all their testing is performed in accordance with the American Welding Society (AWS) standards by certified welding inspector (CWI) personnel. But the WFC used the same "self-test" process used by many contractors to obtain welding certifications for Henry, says WFC member Rev. C.J. Hawking, "It's very shocking that we were able to get welding certifications for a dog—since obviously he didn't actually weld the plates sent to NDT. I think that speaks volumes about the reliability & accuracy of NDT's testing procedures. Dishonest contractors can easily abuse the system."

According to AWS standard D1.1, a contractor can perform welding qualification testing on their own employees as long as they have a written Welding Procedure Specification and an Inspector the company claims is qualified to administer the welding test. The company's Inspector is required to witness workers weld plates of steel together using the specified procedure. The welded plates are then labeled, signed by the company Inspector and sent to a facility where they must be tested before the welder can be certified. AWS accredited facilities require their own third-party certified inspector to be present when workers are welding their test plates as well as oversee the testing of the plates at the testing facility.

Many non-accredited facilities, such as (1997), do not have that requirement.



Industrial Services, Inc.

Dog Gets Welding Certification Papers from TEAM Industrial Testing Facility

The Coalition for Ironworker Justice, a group of clergy members, community groups, and striking workers from Frectors, have unearthed documents showing that a dog received his welding certifications from TEAM Industrial testing facility. Adam Barker, a 4-year-old boxer, is now certified to perform welding services on construction projects.

TEAM is an inspection company that provides visual and nondestructive testing (NDT) of welds that can assess a welder's performance. TEAM claims all their testing is performed in accordance with the American Welding Society (AWS)

standards by certified welding inspector (CWI) personnel. But the same "self-test" process used by many contractors granted welding certifications for Adam.

The Coalition for Ironworker Justice first became aware of the inadequacies of the welding certification process when investigating a number of claims made by workers for Erectors, an Ohio-based construction company that has certified many welders through TEAM. Many workers said they had never been trained or tested by the for welding certification. The Coalition for Ironworker Justice found that the had submitted welding certification documents for some employees who had not even taken the qualification tests, to project owners for which was contracted to work.

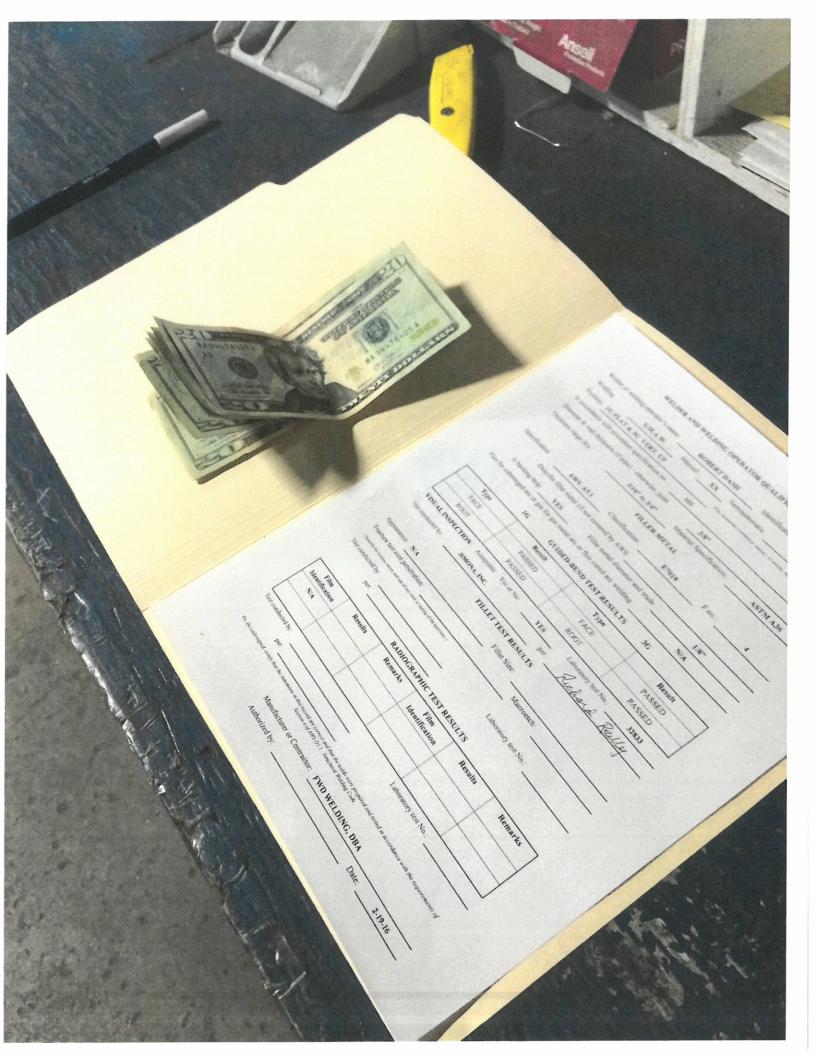
Additionally, Bruce Stamper, a former employee of who has not worked at the company for more than a year and is a certified welder, said that the company is using his certification on jobs for uncertified welders, as well as an employee who has been deceased for two years.

THIS SAFETY MESSAGE WAS BROGHT TO YOU BY THE COALITION FOR IRONWORKER JUSTICE:

IRONWORKERJUSTICE@GMAIL.COM

WELDER AND WELDING OPERATOR QUALIFICATION TEST RECORD

Welder or	welding operator's name	ROBERT I	DASH Identification	on No.: 275-81-9	113
Welding	5.M.A.W.		X Semiautomatic	Machine	
	G FLAT & 3G VERT	. UP	(Flat, horizontal, overhead or verti	cal - of vertical, state whether specard	et genemeng)
	ce with procedure specif		3/8"		
	wall thickness (if pipe)	otherwise, joint 3/16" to 3/4"	Material Specification	astm A	36
Thickness rai	nge this		R METAL		
Specification	AWS A5.1	Classification	E7018	F no.:	4
	Describe filler metal (i			4 /011	
Is backin	g strip YES	Filler met	tal diameter and trade	1/8"	
Flux for submer	ged arc or gas for gas	metal arc or flux c	ored arc welding:	N/A	
	1G		ID TEST RESULTS	3G	
Турс	e	Result	Туре	R	esult
FAC		PASSED	FACE	PA	SSED
ROO		PASSED	ROOT	PA	SSED
VISUAL INSP		ole Yes or No:	YES Lab	oratory test No.:	32833
	www.		per:	Richard Reilly	
Test conducted by	JIMONA, I				
		FILLET TI	EST RESULTS		
Appearance: N	'A		Fillet Size:		
				acroetch:	
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(Describe the location, natur	re, and size of any crack or tearing	g of the specimen.)			
Test conducted by:			La	aboratory test No.:	
per					
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Film	Results	Remarks	Film Identification	Results	Remarks
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N/A					
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per:					
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		Section 4 of AWS D1.1	. Diructural fretaing Couc.		
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	Manufac	turer or Contrac	TWD WELL	7110, 2011	
	Authoriz	ed hv		D	ate: 2-19-
	Authoriz	cu oj.			



Welding certifications: So easy, even your cat can get one

Tuesday, May 3rd 2016, 10:01 am EST Wednesday, May 4th 2016, 12:08 pm EST By Jody Barr, Investigative Reporter



PHOTOS: This cat revealed a big issue in the welding industry

CINCINNATI (FOX19) -

Stewart Noon had no idea on April 19 that he'd taken the first steps to becoming a certified welder. In fact, as far as anyone could tell, Stewart had no interest in becoming a welder in the first place.

Meanwhile, a group of welders inside the District 44 Iron Workers union headquarters had finished off a welding sample, placed Stewart Noon's name on it and submitted it for testing. All in an attempt to have Stewart Noon certified as a welder.

There's one obvious problem with this: Stewart Noon is a cat. And cats don't weld.

WHY WE INVESTIGATED THIS

Last fall, we launched an investigation into welding certifications at the University of Cincinnati. We received multiple tips alleging faked welding certifications were used by Merit Erectors - a Cincinnati-based steel erection company - in order to perform welding work on the newly-renovated Nippert Stadium.

Our investigation found the welding certifications were not in compliance with the American Welding Society's codes. The AWS code is the industry standard used in the structural steel construction industry. The AWS's process of certification provides proof a welder possesses the skills needed to perform welds, reducing the chances of a weld failing.

Last fall, the company named on the UC certifications confirmed to FOX19 NOW the certifications were not legitimate. Plus, the weld inspector named on the forms said the records were fraudulent and that he'd never certified any of the people named on them.

Following that investigation, we decided to scrutinize the welding certification process. We wanted to know if the rules governing the process were enough to ensure people welding on taxpayer-funded construction projects are truly the ones named on the certifications.

TESTING THE PROCESS

Structural welding is one of the most skilled trades in the construction industry. Most publicly-funded construction projects require welders and weld inspections to be done to the AWS codes governing steel construction.

This requirement is often written into bid documents and construction contracts on public projects. Our analysis of welding certifications used at the University of Cincinnati, the University of Kentucky and Miami University shows the codes isn't always adhered to by hired contractors.

Following our UC Nippert investigation, we learned the Iron Workers Local 44 union in Cincinnati had successfully gotten a dog certified to weld in August 2015. That's the second time a dog was certified, according to the union.

The first happened in Michigan following an investigation by the Worker's Freedom Coalition, a group that started investigating welding certifications following the collapse of a Kentucky high school's gym in May 2011.

The gym was under construction when the steel framing collapsed one Sunday morning. The WFC decided to test the welding certification process, using the same testing facility the steel erection contractor used in the Kentucky collapse case, WFC documents show.

In March 2014, the WFC provided records showing they'd successfully gotten a welding certification in the name of Henry Wolf... Henry Wolf is a dog.

This was done in an attempt to expose a loophole in the certification process to show how easy it is for welding certifications to be awarded and how in many cases, there are no checks to verify the person named on the certification is the one who actually performed the welds made on the test plates.

CERTIFYING HOUSE PETS

We met with Jim Hyden, an American Welding Society Certified Welding Inspector, on April 19 to have him walk us through the welding certification process. Hyden's work with the AWS requires him to know – and adhere to – the codes surrounding the certification process.

The process starts with two pieces of steel plate and the welding certification candidate must weld them together. The plates will later be cut apart and analyzed by a testing laboratory to make sure the welds fused the two pieces of metal together.

In this experiment, Hyden knew he was breaking the code.

"We're doing this to prove a point," Hydeon told FOX19 Investigative Reporter Jody Barr, "Without somebody there verifying the position, the fit up and all of that, it doesn't matter how they're (weld plates) done if they're dropping them off at someplace that's not verifying every step of the process."

In February, the union's investigator successfully got another welding certification in the name of a dog. Records provided to FOX19 NOW shows a certification for "Robert Dash," - a dog belonging to a member of the union. The certification is from a Mishawaka, Indiana inspection company, Jimona, Inc.

In that case, Jim Reilly whose brother owns the testing facility, admitted to FOX19 NOW that he did not follow the ASW code in certifying Robert Dash on Feb. 19, 2016.

Hyden's organization is also investigating allegations that some welding contractors are obtaining weld certification samples fraudulently. They're doing so, according to the union, by having a talented welder perform the weld plate certification for candidates who couldn't pass the test, otherwise.

After finishing the plate welding on April 19, Hyden handed it off to a man the organization is using to submit samples at testing facilities across the Tri-State. This man was successful in getting a dog certified to weld at an Indiana testing facility in March.

That afternoon, we followed the source to Acuren, an engineering and testing lab in Cincinnati. Acuren is the weld test facility listed on the latest welder certification forms submitted by Merit Erectors on multiple public construction projects in the Cincinnati area.

Merit Erectors was the contractor at the center of allegations of faked welding certifications from the UC Nippert Stadium project.

GOING INSIDE THE TEST FACILITY

On April 19, outfitted with a hidden camera, our source walked into Acuren to drop off the weld plates. The video shows the source handing the plate over to a woman in the office, then provides her with the name, date of birth, social security number and the fake welding company name.

"I'm assuming you need the guy's name and social and stuff," the source asked the Acuren employee. "Probably," the worker responded.

The video showed the Acuren employee never asked for identification or records that would certify the person who welded the plate was the person whose name would end up on the certification. Had the AWS code been followed, Jim Hyden told FOX19 NOW, the test facility would have requested that information from the source before accepting the sample for testing, as spelled out in the AWS code.

The video shows the Acuren staffer taking the plate and telling the source she'd get it to the person who would perform the test.

It would take one week before the Acuren called our source, telling him the weld plate passed inspection.

On April 26, we went back to Acuren to watch as our source went inside to collect documents related to the weld test. Wearing a hidden camera again, the source spent nearly an hour inside with an Acuren manager, after collecting test documents listing Stewart Noon as the person who welded the test plates.

The Acuren documents also show the test was performed in accordance with the AWS D1. 1 code. Jim Hyden said, that's impossible because Acuren had nothing to verify the welder information provided by the person who submitted the test plate.

"Unless they do a fingerprint check," Hyden said. "Once it leaves my hands, I don't know where it's going, who's got it or whatever."

A search of the American Welding Society's accredited testing facility database shows Acuren's Cincinnati location is not an accredited by the AWS. Hyden said, the process ordered in the code would have been required to be followed had Acuren been accredited.

Had the test facility been AWS accredited, a cat's name would not have ended up on a weld qualification test record, Hyden said.

'PEOPLE COULD CHEAT THIS STUFF ALL THE TIME'

The hidden camera video from the April 26 trip to Acuren runs more than 55 minutes. It shows exactly what happened from the time our source walked in the door, discussed the testing process, then left.

The man who signed off on the testing documents is Shawn Geckeler. The records show Geckeler is Acuren's Mechanical Division Manager, based out of the Cincinnati office.

"Here's your coupons," Geckeler is seen on video telling the source as he hands back the weld plate submitted for testing. "Here's all the information we had. Hopefully, it's accurate," Geckeler said in the recording.

The men begin discussing the forms provided by Acuren. The source questions Geckeler about why an AWS welder certification form wasn't included and Geckeler informs him since no one at Acuren watched the welding process, the company couldn't verify the information given to them by the source.

"A lot of times we don't get this information to fill out this form," Geckeler said on the recording, "So, what we do is just write a report saying here's the coupon we got, here's the guy we've been told welded it and this position - if we have the material or the WPS number – usually we put it on the report. That's what bothers me - this guy, we didn't do that," Geckeler is recorded saying.

The test records provided to the source by Acuren shows a "Welder and Welding Operator Qualification Test Record" filled out by Geckeler, indicating the weld plates were tested with a "satisfactory" result. The form shows the testing was performed to the AWS D1. 1 code, but the form is not signed off by Acuren.

The line titled "Test witnessed by" is left unsigned.

"People could cheat this stuff all the time," Geckeler said on the recording, "Because we're taking your word for it."

"We took your word for it, so we would write down whatever you say it is. That's what we're going to put on our report. We're not going to – you know – because all it's going to do is create a problem for us," Geckeler is heard telling our source on the recording.

"We're not the ones signing this saying you really did what you're saying you're doing. The only thing we're saying is the report saying we tested it in accordance to the D1. 1 and these are the results we got," Geckeler said in the April 26 meeting.

During the hour-long meeting, Geckeler acknowledged it's possible for contractors to do exactly what our source was doing: cheating the system by getting someone certified to weld when they never actually performed the welds being tested.

"You know, Dan Robertson is really a suck welder and you got a Joe that is like a rocket welder. Well, you have Joe weld everybody's test coupons, I don't know. I didn't go watch them. I'm just saying people do it," Geckeler said, describing a scenario that could take place.

"I'm not saying you guys would."

Later that day, we tried to interview Mike Ross. He's the man in charge of Acuren's Cincinnati office. We left a business card and message for Ross with a woman in the office at Acuren.

Ross never returned our call.

The next day, we emailed Shawn Geckeler on his Acuren email address on his business card. We emailed to ask him for an interview. Geckeler never responded.

On April 28, we met Geckeler as he left work to ask him about the company's AWS testing process and why Acuren never worked to verify the information provided by the iron workers' confidential informant.

"How are you doing, Mr. Geckeler," Investigative Reporter Jody Barr said as Geckeler walked to his truck. "I sent you an email, I don't know if you saw it," Barr said.

"I'm not Mr. Geckeler," Geckeler said as he opened the door of his truck.

"We want to talk to you about this certification for Stewart Noon," Barr said. Shawn Geckeler closed his door and drove away without comment.

ACUREN RESPONDS

"All we are is a test facility," Frank Millvale told FOX19 NOW in an April 27 phone call. Millvale identified himself as Acuren's Director of Operations and called from an Anchorage, Alaska cell phone.

"We only provide results on test material. We don't certify welders," Millvale said in the phone call. Millvale's call came after we interviewed Shawn Geckeler in the firm's Cincinnati office's parking lot the day before.

Millvale said Acuren doesn't provide welder qualification forms and didn't in this case. The recording inside the Cincinnati office on April 26 showed Acuren's Shawn Geckeler did fill out an AWS certification form for Stewart Noon, "I can fill one of these out real quick. It'll only take a second," Geckeler is recorded telling the source on the April 26 recording.

Geckeler would not sign it, telling our source since he did not witness the welding, the welder's employer would be the one to sign the form.

Not witnessing the welding doesn't excuse Acuren, according to Jim Hyden, the union's Certified Welding Inspector. The AWS code still wasn't followed, Hyden said, because the weld plate sample was tested without written confirmation from a CWI that the welding portion of the certification was followed to code.

Testing a sample to the AWS code would be impossible at that point, Hyden said, because you can't perform an accurate test without knowing whether the first steps were followed.

We asked Millvale what steps his company took to verify the information provided to them in the Stewart Noon case, which Millvale did not provide an answer.

We requested an interview with someone from the company. Millvale refused, telling FOX19 NOW, "We won't be doing any interviews."

A LAW TO CLOSE THE LOOPHOLE

"The whole process is flawed. We can send money in and get anyone certified," Iron Workers District Council of Southern Ohio and Vicinity President Bill Woodward told FOX19 NOW, "Anyone, if they pay, can go out and get welding certifications."

Woodward is working with some Ohio lawmakers to have a law passed requiring welding contractors and testing facilities to follow the American Welding Society code. That code governs most all commercial welding performed in the United States and is recognized as the industry standard.

House staffers are currently working on writing the proposed legislation, according to emailed conversations shown to FOX19 NOW last week. As of this report, the legislation has not been filed.

A welding law, Woodward hopes, would provide punishment for contractors and testing facilities who do not follow the AWS code on projects that are funded with tax dollars.

"It puts the general public at risk," Woodward said, "They don't know who's welding on the job.

"It's like gluing something together. If the glue doesn't hold, it's going to fall down," Woodward told FOX19 NOW in an interview last week.

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What's at risk

- 2) PUBLIC'S SAFETY 1) OUR CHILDREN'S SAFETY
- 3) PUBLIC WORKERS SAFETY