

George Rolla, SCWI, CWE, CW

VOLUNTEER EXPERIENCE

- 2010 - Present. American Welding Society (AWS). Serve as a voting member of the AWS D17K & D17 Main Technical Activities Committee on Fusion Welding for Aerospace Applications, and as advisor to AWS D1Q & B1 Technical Activities Committee on Qualification.
- 2013 – Present. Member of the Career Education Training Advisory Board of the Lake Elsinore Unified School District, Perris Union School District, Santa Clarita School District, and Fontana Unified School District.
- 2005 - Present. AWS Section Officer for the Los Angeles & Inland Empire Section Executive Committee, Serve as 1st Vice Chairman & Technical Representative.
- 2013 – 2014. AWS District 21 Deputy District Director.
- 2010- Present. CWI Exam Supervisor for the American Welding Society.

WORK EXPERIENCE

- 44 years experience working in the welding industry
- Welding contractor & fabricator since 1980
- 2003-Present. Own and operate Advanced Weldtec, Inc. , a California corporation since January 2003, and its subsidiary California Welding Institute LLC, an AWS Educational Institution Member, successful State of California Certified Small Business and Certified Disadvantaged Business Enterprise (DBE), offering a diversity of welding related services, workforce training with a primary focus on inspector & welder training and qualification, offering more efficient, advanced and personalized methods of education, welding consulting and expert witness services.
- Utilizing 44 years of welding and inspection knowledge and experience:
 - Providing extensive knowledge and experience as a consultant, improving welding operations to maximize efficiency, productivity and compliance, developing and implementing weld quality control program for erectors, fabricators and manufacturers, developing and qualifying welding procedure specifications (WPS)s and welding personnel training and qualification
 - Working with the industry, providing troubleshooting services for all types of welding operations
 - Working in legal cases as welding expert witness, providing expertise in the field of welding, including but not limited to welding procedures, metallurgy

- Providing Technical presentations at National Conferences and events, including but not limited to welding codes, standards, and specifications, welding procedures, welding personnel certification, contract and weld detail drawings review.
- To fulfill a mission and a vision of providing a more advanced workforce and better skilled welding personnel to the industry, helping individuals build successful welding careers:
 - As an AWS Senior Certified Welding Inspector and Certified Welding Educator, currently working as lead instructor and managing director of a welder certification training program, American Welding Society Accredited Testing Facility and City of Los Angeles approved welder testing agency
 - Providing career advice and offering most efficient ways to launch careers in welding
 - Performing onsite employee training and testing for welding and brazing personnel
 - Providing assistance to businesses for the AWS CWF and AISC Certified Fabricator accreditation and the City of Los Angeles Approved Fabricator program
 - Offering classes, seminars and codebook clinics for quality control & welding personnel, Special Inspectors and Welding Inspectors and for the City of Los Angeles Structural Welder Certification trade license written exam
 - Managing and instructing “Professional Development” courses for high school and college welding instructors
 - Helping businesses and prospective welding personnel network together
 - Providing instruction for hobbyists and amateur welders
 - As a member of the Career Education Training Advisory Board of the Lake Elsinore Unified School District, Perris Union School District, Santa Clarita School District, and Fontana Unified School District

Clients / consulting services examples:

2019 - Welding expert witness in case involving welding over galvanized steel.

- Welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample clients: Afakori Inc, Clark General Contracting Inc, Skyhook Stairs & Rails, T&D Services Inc, Best Drilling and Pump, Inc, Unique Builder Co, Coreslab Structures, Unlimited Design, GSSEI, U.S Precision Metals, Industrial Mechanical Services, CAI Safety Systems, Rynoclad, PPG, Southwest Sign Co, RKDM Enviro, Pacific Mechanical Supply, U.S. Coast Guard,

Technion Contractors, Nick Steel Inc, Fallbrook Public Utilities District, KCB Towers Inc.

2018 - Welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample clients: Zodiac Aerospace (Safran Group), Teledyne, Custom Iron Corp, Technion Contractors Inc, Vic Electrical, Palm Springs Tramway, UTC, Dimic Steel Tech, Omniduct, Pro Steel Erectors, Orion Carports, Phoenix Diseno y Manufactura, Midstate Precast, United Aeronautical Corp, Sanchez Welding, Dynaflex Products, NP Mechanical, Schneider Electric, Federal Bureau of Prisons, Pipejacking Trenchless, Ampersand Signs, Persona Signs, Quik-Shor

2017 – Welding Expert Witness in case involving County of Los Angeles, and another case involving contractor license and weld quality requirements for the food & beverage processing industry.

- Welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample clients: Integral Aerospace (AWS B5.2 quality control program) , Baghouse (LADBS Approved Fabricator quality control program), SAK Pipelines, Quik-Shor (LADBS Approved Fabricator quality control program), Meadows Mechanical, Kuster Company, One-way Manufacturing, Danrich Welding Co. (LADBS Approved Fabricator quality control program), Persona Signs (LADBS Approved Fabricator quality control program), Wood Group, Skyhook Stairs & Handrails (LADBS Approved Fabricator quality control program)

2016 - Welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample clients: Lindsey Manufacturing Co, Sanchez Welding, SAK, Lake Elsinore Unified School District, CNP Signs & Graphics, Scott Woodland Construction, McDaniel Inc, Pro Steel Erectors, etc.

2015 – Welding consulting, welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample clients: Schneider Electric, Mee Industries, Anheuser-Busch, Best Drilling and Pump, Neutrogena, Quik-Shor, The Port of Los Angeles, Meadows Mechanical, K&N Filters, Jurupa Community Services, Colorado Energy.

2014 - Welding consulting welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample clients: Lake Elsinore Unified School District, Combustion Associates, Peterson's Detention, Pentair, AT&T, Schneider Electric, Eiback Springs, Port of Los Angeles, Ferguson Fire, etc.

2013 –2014. Expert Witness in a law suit against the Los Angeles County, involving a certified welder. Provided expertise and knowledge on welding processes and certifications.

2013 - Welding consulting , welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample clients: Dynaflex, Disney, Peterson's Detention, CAI Safety Systems, etc.

2012 - Welding consulting, welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample

clients: Hardy Frames, Peterson's Detention, Forrer Supply Company, Sunora Energy

2011 - Welder training & qualification, quality control program development, welding inspection personnel training, process improvement. Sample clients: CR Laurence Manufacturing Co.

2010 - Welder training & qualification, quality control/welding inspection personnel training, process improvement. Sample clients: McComas Auto Body Inc. Westmont Industries, BMWI

2009. Welding consulting, welder training & qualification, welding inspection personnel training, process improvement for GE Aviation Systems, Santa Ana California

- Qualify welding procedures using GTAW manual and mechanized welding processes on 6061 aluminum, in accordance with MIL-STD-2219 and AWS D17.1
- Qualify welding procedures for 4130 steel tube welding using GTAW manual process in accordance with AWS D17.1
- Train and qualify (certify) welders for the above mentioned applications.
- In process inspection and visual inspection of welded products.

2008- 2009 Nationwide Boiler Inc, supplier of rental boilers, mobile boiler rooms & temporary steam plants, Freemont California and its supplier American Metal Fabricators Modesto California. Worked as a Welding Consultant and performed visual inspection under ASME Boiler & Pressure Vessel Code.

2008. V&T Tooling, a fabrication company, specializing in aerospace tooling and assemblies, Temecula California.

- Produce written welding procedures in accordance with AWS D1.2 for aluminum welding of satellite assembly tooling jig for project Boeing.
- Train and qualify (certify) welders under D1.2 Aluminum Code and AWS D1.1 structural Steel Code.
- Visually inspect welded product.

2008. System3, Inc A renewable Energy Infrastructure Contractor, Solar, Hydro & Wind.

- Produce written welding procedures in accordance with AWS D1.2 for aluminum welding of wind generator installation components, BP Project.
- Train and qualify (certify) welders at installation site near Palm Springs, California.

2008. Instructor for Riverside Community Education pipe welding program

- Train and certify welders to ASME Section IX Code for Welding Procedure and Welder

Performance Qualification.

2008. Valley Precision Metal Products, Inc, manufacturers of precision aeronautical structural components & assemblies. Valencia, California.

- Review Quality Management System
- Train in-house welding inspectors for visual inspection of welds.
- Evaluate welders & welding facility.

2007. General Atomics Aeronautical Systems

- Qualify welding procedures in accordance with AWS D17.1 Aerospace Code using GTAW manual process on 4130 steel tube and 6061 aluminum sheet, for supplier Exclusive Charter Services, San Diego California and its subcontractor Precision Aircraft Parts, of El Cajon California.
- Train and qualify (certify) welders
- Visually inspect welded assemblies.

2006-2007 Assistant in welding training program at Riverside Community College, Riverside California.

- 1996-2002. Contract welder DBA George Rolla in California & Arizona.
- 1989-2007 Contract welder performing pipe welding under ASME B31.4 Pipeline Transportation, ASME B31.5 Refrigeration, ASME B31.9 Building Services Piping, and API 1104 Pipeline Welding Codes, for the Southern California Gas Co., Southwest Gas Co., and other California companies.
- 1980-1996. Owner and operator of Geo-Mobile, Inc. a successful welding and fabrication business, incorporated in the State of North Dakota in September 1980 and in business until August 1996.
 - Servicing the Oil & Gas Industry in North Dakota, South Dakota, Montana, Wyoming, Utah & California, specializing in pipe welding & fabrication involving maintenance and construction of oil refineries, gas processing plants, chemical plants, transmission pipelines, compressor stations, gas distribution pipelines and oil production fields. worked as a certified pipe welder under ASME B31.3, ASME B31.1 & API 1104 welding codes.
 - Our clients were Phillips 66, Conoco, Amoco Oil Refinery in Mandan ND., Shell Oil, Koch Oil, Matador Pipelines, Beulah Coal Gasification Plant, Williston Gas Processing Co., Western Gas Processors, Halliburton, etc.
 - Servicing the construction industry performing welding maintenance and fabrication

on equipment and machinery.

- 1982-1984 Contract work as consultant for Richardton Manufacturing, a farm equipment manufacturer.
- 1978-1980 Petroleum exploration work in the Canadian High Arctic.
- 1978 Employed by Onix, contractor for the Canadian Government, involved in aerospace R & D prototype project.
- 1976-1978 Bruce Nuclear Power Plant, Douglas Point, Ontario, Canada. Employed by Lumus Steel, pipe welder, nuclear power plant construction.

QUALIFICATIONS:

- AWS Senior Certified Welding Inspector SCWI
- AWS Certified Welding Educator CWE
- Certified Welder CW: AWS D1.1, ASME Section IX, API 1104, Southern California Gas Co. High Stress Arc Welder & SouthWest Gas certifications in pipe and structural, multiprocess welding
- City of Los Angeles Certified Welder, structural multiprocess welder certification
- MSHA Certified

EDUCATION

2005-2007 Riverside Community College, Riverside, CA

1975-1976 Algonquin College of Applied Arts, Welding & Fabrication Certificate

2007-Present AWS & AISC Continuing Education/Professional Development Courses

OTHER SKILLS

- Quality Management Systems
- Production management
- Business management

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- Blueprint reading
- Pipefitter / pipe lay out
- Structural fabricator
- Knowledge and expertise in Marketing
- Accounting, QuickBooks Certified User
- Experienced computer user, Mac & PC
- Diesel mechanics / general mechanics
- Private Pilot of small aircraft since 1969
- Fluent in English and Spanish

REFERENCES

- Brad Cain (951) 551-4030, Lake Elsinore Unified School District, Temescal Canyon High School Instructor
- Jim Green. Danrich Welding. (562) 634-5126
- Paul May (714) 860-9766, ASNT Level III technician, owner of Orange Coast Testing Inc. Santa Ana, CA
- Raffi Varozian (323) 255-1102 ext 224 Ampersand Contract Signing Group, Owner.
- Ryan Mansfield. Dimic Steel Tech. (909) 816-5507
- James Bonell. Zodiac Aerospace. (707) 535-2790
- Vincent Hamel (949)250-9358 Integral Aerospace, Lead Manufacturing Engineer.
- Tim Baber. College of the Canyons. (661) 362-3062
- Gene Lawson (949) 838-4868 American Welding Society, President 2008.