



GEOTECHNICAL
CONSULTANTS INC.

Welder Certification and Welding Procedures Qualification

SPECIALITY PROFILE

GCI inspectors have certifications and qualification from AWS, ICC, API, AISC, ASTM, and ASME. Inspections provided include:

- IBC Special Inspections
- Visual Weld Inspections
- Ultrasonic Weld Testing and Thickness Testing
- Magnetic Particle Testing
- Liquid Penetrate Testing
- Calibrated Torque Testing of Bolts and Anchors
- Anchor Pull Testing
- Locating of Reinforcing-Steel in Concrete and Masonry
- Structural Steel Observation and Testing
- Fireproofing Observation and Testing
- Paint Thickness Testing
- Fire Rated Assemblies (FRA) Inspections
- Intumescent Coating Thickness Testing
- Relative Humidity (RH) in Concrete Testing



GCI provides a complete range of construction materials engineering and testing services, geotechnical engineering, and environmental consulting services.



Maintain compliance and avoid schedule delays

GCI's structural steel testing and non-destructive examination (NDE) staff provide a broad range of observation and testing services to keep clients' construction projects on track and compliant with applicable construction codes and public safety requirements.

Self-performing contractors and production companies are required by Ohio construction regulations to verify that their welders are individually qualified for the specific welds each welder performs on a project. GCI offers testing and documentation to verify that the individual has the skills and ability to perform welds with specific metal thicknesses and in flat, horizontal, vertical and overhead welding positions

WQTR and WPS qualifications testing

In accordance with American Welding Society (AWS) standards, GCI also provides testing services to certify an individual's welding performance qualification (WQTR) and to qualify welding procedures (WPS) for production companies, fabrication shops and field erection companies. Qualifications are issued per the AWS standards and certified by GCI's AWS Certified Welding Inspectors.

www.gci2000.com

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Qualifications and certifications held by GCI inspectors include:

- AWS Certified Welding Inspector AWS-QC1
- SNT-TC-1A Level II NDE Training
- OSHA 10-hour and 30-hour Safety Training
- UT – Ultrasonic Inspection
- MT – Magnetic Particle Inspection
- PT – Dye Penetrant Inspection
- VT – Visual Inspection
- Aerial Work Platform Safety Training
- Firestop Installer Training
- ODOT Type 26 Structural Painting

Mobile and in-house welding lab options

GCI's in-house welding laboratory is fully equipped for welder performance qualification. Test coupons can be provided or individuals may supply their own materials. After completion of the test welds, GCI's AWS Certified Welding Inspector will visually examine the weld, then perform the mechanical bend testing in accordance with AWS D1.1.

Welding testing can also be performed on-site for production companies, fabrication shops, and welding schools.

Qualification of non-standard welding procedures

For unique welds that are not prequalified in the AWS Standards, regulations dictate a more extensively welded coupon and additional testing procedures. GCI has the in-house capability to test and qualify non-standard welds in accordance with AWS Standards.

Contact GCI's steel inspection department at **614.895.1400** to discuss testing services for your welding performance qualifications and procedures.

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