Derek Sullivan

Structural Welder

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SUMMARY

Structural Welder with 5 years of structural welding on bridge girders, steel buildings and plant platforms in western Pennsylvania. Certified to AWS D1.1 in 3G and 4G SMAW and FCAW, with a 99% UT pass rate on full-penetration moment connections. Reads weld symbols, works at heights in a harness and checks every connection with attention to detail.

EDUCATION

Certificate 05/2020

Community College of Allegheny County Pittsburgh, PA

Welding Technology

EXPERIENCE

Structural Welder 05/2023 - Present

Three Rivers Steel Erectors Pittsburgh, PA

Steel erection contractor on commercial buildings and bridges.

- Complete full-penetration beam-to-column moment connections with FCAW, about **20** a week on site.
- Achieve a 99% ultrasonic testing pass rate on 600+ critical welds across 4 high-rise and hospital projects.
- Verify fit-up, preheat and weld sequence against weld symbols and shop drawings before each connection.
- Operate boom lifts at up to 120 feet with full tie-off, with zero safety incidents in 3 years.

Structural Welder 06/2021 - 04/2023

Allegheny Bridge & Iron McKees Rocks, PA

Fabricator of bridge girders and highway structures.

- Welded flange-to-web seams on plate girders up to 140 feet long using submerged arc and GMAW.
- Gouged and repaired 85 rejected welds with carbon arc, passing state bridge inspection on retest.
- Fitted stiffeners and cross frames on 30 girders, using levels, clamps and hand tools.

Welder Helper 08/2020 - 05/2021

Mon Valley Fabrication Monessen, PA

Structural and miscellaneous steel shop.

- Prepped plates and beams with grinders, torches and a magnetic drill for 3 welders.
- Tacked clips and stiffeners with SMAW, building mechanical aptitude on every job.
- Cut gussets and plate stock with an oxy-fuel torch for 50+ job orders.

SKILLS

Structural Welding • **SMAW** • **FCAW** • **GMAW** • **AWS D1.1** • **Weld Symbols** • **Welding Processes** **Hand Tools** • **Mechanical Aptitude** • **Attention to Detail**

CERTIFICATES

AWS Certified Welder - D1.1 3G and 4G SMAW/FCAW

American Welding Society

03/2021

OSHA 30-Hour Construction

OSHA Outreach Training Program

06/2023