

SADEGH NIKKAR
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ENGINEERING SKILLS

- ∞ Prepared and presented PQR and WPS at different types of productions.
- ∞ Evaluated welding equipment, metals, alloys, electrodes and filler rods.
- ∞ Directed and coordinated technical personnel in performing inspections to ensure workers' compliance with established welding procedures, restrictions and standards.
- ∞ Examined weld for bead size and other specifications.
- ∞ Visual testing of joints to detect flaws, such as cracks, cold weld, spatter, undercuts and poor restarts.
- ∞ Guided production and welding personnel relating to specification restrictions and material processes which involved use of complex alloys, welding of critical joints and complex PWHT requirements.
- ∞ Conducted tests to ensure welds met company standards, national code requirements and customer job specifications.
- ∞ Conducted research and development investigations also prepared and recorded technical reports as results.
- ∞ Evaluated new developments in welding field for possible application in current welding problems and production processes.
- ∞ Familiar with reference standards such as ISO, EN, ASME and AWS.
- ∞ Conducted certification tests for qualifications of personnel with national code system.
- ∞ Demonstrated computer skills relevant to engineering duties.

TECHNICAL SKILLS

- Operated power supply to produce electric current also other machine shop equipment to prepare component for welding.
- Manually guided electrode, filler metal, gun and torch along weld line, maintaining length of arc and speed of movement to form specified depth of fusion and bead, as judged from color of metal, sound of weld and size of molten puddle.
- Positioned and clamped work pieces together and assemble them in jigs and fixtures.
- Welded in flat, horizontal, vertical and overhead positions.
- Preheated work piece with hand torch and heating furnace.

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EMPLOYMENT HISTORY

- ∞ Deputy of the welder training division, IWREC (Iranian Welding Research and Engineering Center), Oct.2005-April 2007, Iran-Tehran.
- ∞ Welding Coordinator, Hadid Industries Group, (July2003-Sept2005) Iran-Tehran.
- ∞ Physics and Mathematics tutor, Roberts Education Centre, Vancouver B.C. (Nov.2002-April 2003).
- ∞ Metallurgical expert, Pars Diesel company, Tehran / Iran, (1993-2002).
- ∞ Member of metallurgy division, Tehran University, Jihad Research Department, (1991-1993).

EDUCATION

- ∞ B.S. Materials and Metallurgical Engineering, Tehran University July 1991.
- ∞ IWE (International Welding Engineering), IIW / IWREC, Iran, March 2007.

TECHNICAL

- ∞ Steel TIG and MMA welding certificate.
(EN 287-1, 141/111, T, BW, 1.1, B, t7.11, D168, H-L045 / H-L045, ss, nb/ss, mb)
- ∞ Aluminium TIG welding certificate.
(EN ISO 9606-2, 141, BW, 23.1, t5, D158, H-L045 / HL045, ss, mb).

PUBLICATIONS

- Welding Metallurgy.
- Welding Processes (SMAW, GTAW and GMAW).
- Weld Design.
(Publisher: IWREC).
- Discrete Mathematics, points and methods, 2001.
- Analytical Geometry and Linear Algebra, 2007.
(Publisher: Kanoon Farhangi Amoozesh Ghalamchi).

REFERENCES: Available upon request.