

Richard (Buddy) Poljan | Professional Engineer, PE

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Professional Summary:

Richard (Buddy) Poljan is an engineer with 9 years of work experience and expertise in Plumbing, HVAC, Industrial Machinery, and Industrial Safety. Richard (Buddy) Poljan has completed projects ranging from industrial equipment integration to home renovation and remodeling. During his 9 years of work experience Richard (Buddy) Poljan has obtained experience in: water infiltration, heating systems, plumbing, machinery, safety equipment, and other associated disciplines.

Areas of Expertise:

- Plumbing: Residential, Commercial.
- HVAC: Residential, Commercial, Industrial.
- Industrial Machinery: Controls, Up-time, Hydraulics, Pneumatics, Thermal Processes.
- Industrial Safety: OSHA Requirements, Guarding, Lighting, Markings, Maintenance.

Licenses and Certifications:

Professional Engineer, LARA, Michigan, 6201311073

Project Experience:

Guardian Industries, Carleton, MI

Float Glass Production Line Rebuild, 2014:

Glass furnace had reached the end of its usable life. The furnace section of the production line was rebuilt, and the packaging section of the line was updated. Richard Poljan supervised brick installation and assisted in troubleshooting the automated cutting system.

Royal Adhesives and Sealants, Michigan Center, MI

Line Production Improvements, 2015:

Designed plant utility modifications for process improvement devices such as stackers, vision systems, and chemical reactors. This required obtaining permits from the local authorities, drafting blueprints for the building and utility upgrades, and integrating new equipment, including guarding and emergency stops, into existing processes.

ST1 Systems, Corona, CA

Distribution Center Build (3), 2016-2020:

Design and oversee the modification of existing industrial buildings into distribution warehouses. This included upgrading fire suppression systems to meet the new needs of the building use. Updating the automatic lighting and emergency exit lighting. Designing and integrating, automated pick systems, ASRS storage systems and RFID inventory management integration. Designing and managing the installation of new offices and space configurations inside of the buildings.

Poljan Renovations, Lansing, MI

Home renovation and re-modeling:

Renovated homes to be re-sold or rented both working and managing contractors. Updated electrical, HVAC, plumbing, exterior, interior, and foundations of homes. Obtained relevant permits for the work performed and met lender and buyer expectations.

Professional Experience:

Guardian Industries, Process Engineer, 2014 – 2015

Royal Adhesives, Process Engineer, 2015 – 2016

ST1 Systems, Lead Systems Engineer, 2016 – 2020

Poljan Restorations, Owner/Operator, 2018 -2021

EFI Global, Forensic Engineer, 2021 - Present

Specialized Education:

PLC Technician Level I,II, Intellect Controls, 2018

Education:

B.S., Mechanical Engineering, Michigan Technological University, Houghton, MI, 2013