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WELDING CAPABILITY SUMMARY

As an ASME Code Section I & Section VIII Div.1 welding facility, we have the ability to design and manufacture pressure vessels. The following is a list of qualified processes and materials:

PROCESSES:

- SMAW - Shielded metal arc welding
- GMAW - Gas metal arc welding (machine and manual)
- FCAW - Flux core arc welding (machine)
- GTAW - Gas tungsten arc welding (manual, semi-automatic, and machine)
- SAW - Submerged arc welding (machine)
- Brazing carbon steel to copper

MATERIALS:

- P1 TO P1 Steel to steel
- P1 TO P8 Steel to stainless steel
- P4 TO P4 Steel alloy to steel alloy
- P8 TO P8 Stainless steel to stainless steel
- P1 TO P5 Steel to steel alloy
- P25 TO P25 Aluminum to aluminum
- P41 TO P41 Nickel to nickel
- P42 TO P42 Monel to monel
- P43 TO P43 Inconel to inconel
- P41 TO P42 Nickel to inconel
- P1 TO P43 Steel to inconel
- P44 TO P44 Hastelloy to hastelloy
- P1 TO P44 Steel to hastelloy
- P1 TO P45 Steel to nickel iron chromium
- P8 TO P44 Stainless steel to Molybdenum Chromium
- P8 TO P43 Stainless steel to nickel chromium iron
- P5A TO P5A Chromium molybdenum to chromium molybdenum
- P10H TO P10H SA240 UNS S31803 to same (Heat resisting)
- P8 TO P45 Stainless steel to nickel iron chromium
- P45 TO P45 Nickel iron chromium to nickel iron chromium

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