

# BURRARD INLET RAIL

*Proudly Serving Western Canada*

# WELDING



## WHAT IS THERMITE WELDING

Invented in 1898 by Hans Goldschmidt in Germany, thermite welding is a process that uses the heat produced during an exothermic reaction to permanently fuse two rails together. It is an extremely strong weld that eliminates the need for joint bars.

## WHY BURRARD INLET RAIL FOR THERMITE WELDING

Whether you are considering if thermite welding is the right application for your track or looking for a fresh approach to reduce track maintenance, Burrard Inlet Rail is a great resource. Our team of railway professionals includes a certified (CN) Mainline Thermite Welder and Instructor. We are fully equipped for both CN and CP applications and have performed nearly 1,000 thermite welds in the field – without a single broken weld.

## ADVANTAGES

- High mechanical strength & corrosion resistance
- Compared to other welding forms.
- External power source not required during the process
- Only for ignition.
- Ideal for remote areas
- Where a power supply is not easily available.
- More robust rail connection
- No rail end batter, bolt hole cracks, or broken bolts that occur with joint bars.
- Cost effective
- Eliminates all maintenance associated with joint bars.
- Smoother ride
- Which means less wear on train wheels and track components.
- Fast & efficient
- Takes about 1.5 hours to weld; supports a fully loaded train within 2 hours.

**BURRARD INLET RAIL CONTRACTING LTD.**

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