

## WELDING

The welding procedures used in the fabrication of Cooper B-Line steel products are in accordance with American Welding Society Standards. To achieve the highest quality in our manufacturing processes, our welders follow standards set by AWS Code.

### Spot Welding

Spot welded back-to-back channel is manufactured using a modern DC powered resistance welder controlled by a microprocessor. This produces a series of spot welds with speed and consistency. Consistency is one of the most important advantages in specifying B-Line back-to-back channel. Variables such as weld

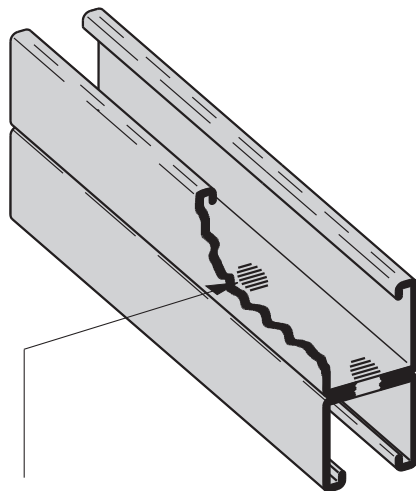
sequence, speed and duration are carefully controlled and monitored by a sophisticated electronic control system. A statistical quality control program, combining destructive and non-destructive testing, is used by Cooper B-Line to ensure high quality welds.

### MIG Welding

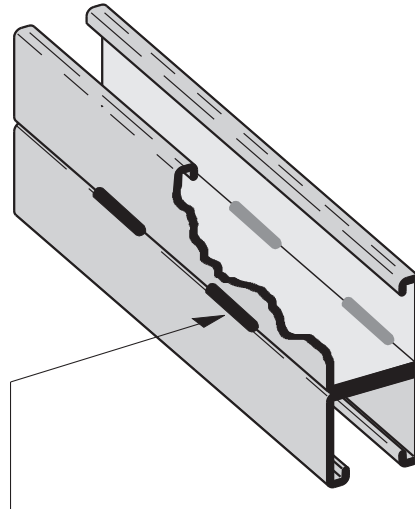
MIG welded, more properly called gas metal arc welded (GMAW) combination channels and fittings, are produced when physical dimensions or certain combinations require a weld process other than automatic spot welding. The same quality control requirements are imposed on MIG welded and spot-welded products.

### Quality Assurance

Cooper B-Line's Quality Assurance Program has been developed and implemented for compliance with ISO9001:2008. Cooper B-Line also complies with various industry standards and specifications. Cooper B-Line has extensive experience in supplying metal framing components for the nuclear power generating industry, and upon request can provide products in compliance with 10CFR50 Appendix B, NQA-1 and 10CFR21. For more information on our quality capability please visit [www.cooperbline.com/nuclear](http://www.cooperbline.com/nuclear).



**Spot Weld**



**MIG Weld**