

WELDING DRAWINGS¹

WELDING SYMBOLS

The welding symbols are a shorthand language to specify the required type of weld, the joint preparation, the weld size, and the root opening (if there is any). Welding joints can be clearly specified on the drawing with welding symbols (Fig.1). They save time and money and ensure understanding and accuracy when used correctly.

Welding symbol consists of the following eight elements:

- 1- Reference line.
- 2- Arrow.
- 3- Basic weld symbol
- 4- Dimensions and other data.
- 5- Supplementary symbols.
- 6- Finish symbols.
- 7- Tail
- 8- Specification, process, or other reference.

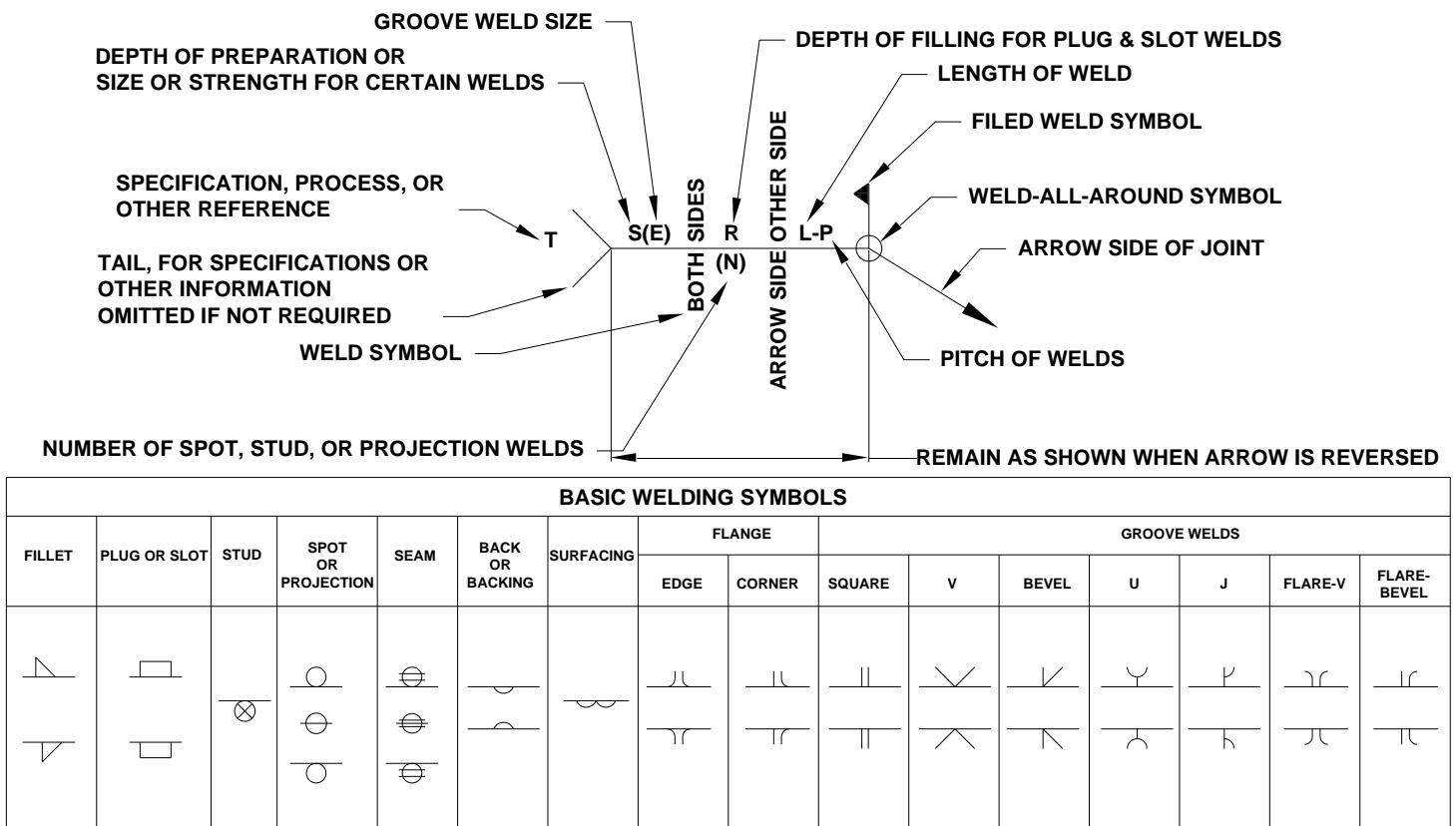


Fig.1 | WELDING SYMBOLS.

¹ Jensen, Cecil, Jay D. Helsel, and Dennis R. Short. "Engineering Drawing & Design,-7/E." (2007).

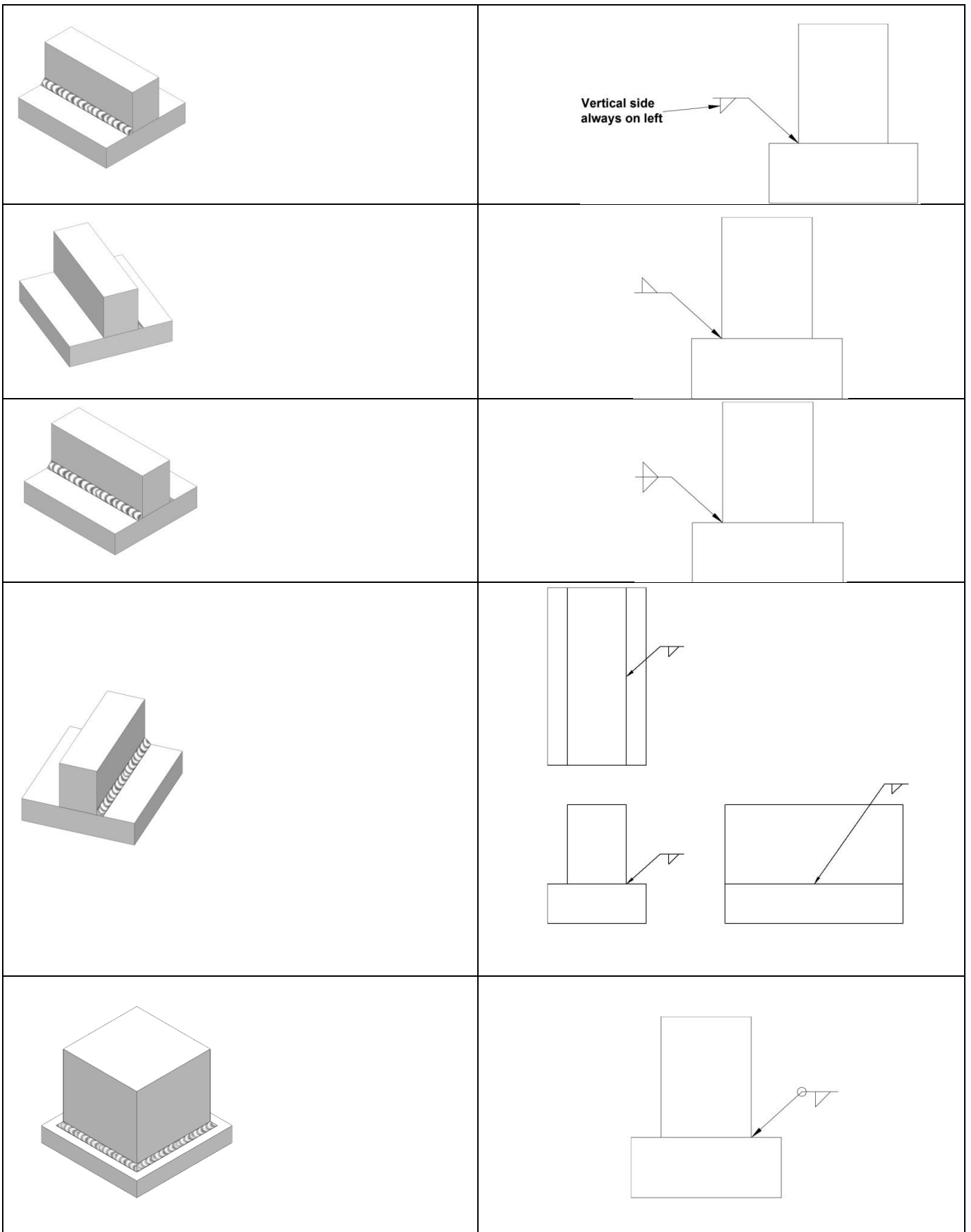


Fig.2 | EXAMPLES OF WELDING SYMBOLS