WELDED JOINTS - STANDARD SYMBOLS

WELDED JOINTS Standard symbols BASIC WELD SYMBOLS GROOVE OR BUTT PLUG BACK FILLET OR FLARE SQUARE BEVEL ٧ SLOT U J FLARE V BEVEL SUPPLEMENTARY WELD SYMBOLS CONTOUR WELD ALL BACKING SPACER FIELD WELD For other basic and AROUND FLUSH CONVEX supplementary weld symbols, see AWS A2.4-79 M м STANDARD LOCATION OF ELEMENTS OF A WELDING SYMBOL Finish symbol Groove angle or included angle of countersink Contour symbol · for plug welds Root opening, depth Length of weld in inches of filling for plug and slot welds Pitch (c. to c. spacing) Effective throat of welds in inches Depth of preparation or size in inches Field weld symbol **Reference line** R Weld-all-around symbol (Other side) sides) Specification, process or other reference S(E) L@P (Both A (Arrow side) Tail (ommited when reference is not used) Arrow connects reference line to arrow side of joint. Use break as at A or B to signify that arrow is pointing to the grooved Basic weld symbol or detail reference member in bevel or J-grooved joints. Nota: Size, weld symbol, length of weld and spacing must read in that order from left to right along the reference line. Neither orientation of reference line nor location of the arrow alter this rule. The perpendicular leg of Δ , V, V', weld symbols must be at left. Arrow and Other Side welds are of the same size unless otherwise shown. Dimensions of fillet welds must be shown on both the Arrow Side and the Other Side Symbol. The point of the field weld symbol must point toward the tail. Symbols apply between abrupt changes in direction of welding unless governed by the "all around" symbol or other-

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These symbols do not explicitly provide for the case that frequently occurs in structural work, where duplicate material (such as stilleners) occurs on the far side of a web or gusset plate. The fabricating industry has adopted this convention: that when the billing of the detail material discloses the existence of a member on the far side as well as on the near side, the welding shown for the near side shall be duplicated on the far side.

IDENTIFICATION OF ARROW SIDE ANDO THER SIDE OF JOINT

