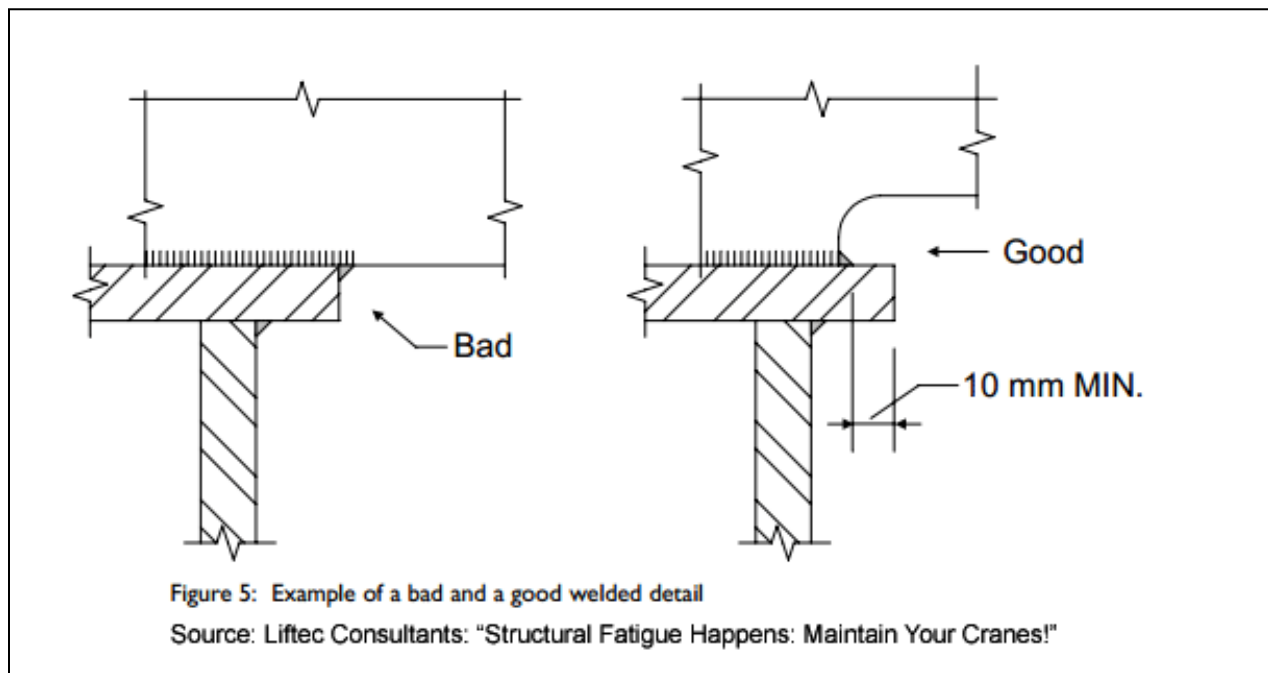


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Heavy Equipment Modifications: Good Design is the Key to Long Life

If you're adding attachments to your heavy equipment in order to support walkways, conduit, or electrical/mechanical equipment, it can pay off to consult a structural engineer first.

Stresses in structural welds depend greatly on the geometry of the design. Poorly designed weld geometries can cause premature failure of the weld. For example, one source (Liftec Consultants Ltd.) estimates that the expected life of the "good" detail in the Figure below is at least 2.5 times that of the "bad" detail.



Poorly designed attachment welds can also create undesirable stress patterns that harm the overall integrity of the equipment.

Qualimet 's engineers can provide complete design consulting services for welded attachments for your heavy equipment. For more information, contact Sherman at 780-641-0753, or email: sherman@qualimet.ca



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