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Shop Drawing Requirements for Welds

I have received approved shop dra ings here groove elds are specified, but the edge preparation is not sho n. Does AISC require that eld preparations be sho n on a shop dra ing?

Moment Connection with Extended Single Plate

I am designing a directl elded flange moment connection bet een a beam and column. The shear connection is an e tended single plate ith t o columns of bolts. Since this is part of a moment connection that restricts rotation, is it appropriate to use a equal to 1.0 hen checking block shear on the e tended single plate, rather than 0.5 as recommended b the Commentar AISC 360 Section J4.3 for multiple columns of bolts? In addition, does the minimum eld equal to $\frac{5}{8}$ still appl or can I si e the eld based on the required shear strength onl ?

Extended Single Plate Connection

CVN Testing

Section 6.3 of AISC 341-05 requires CVN testing for certain components of the SLRS. Some heav material has been purchased and delivered to the fab shop ithout the required CVN testing. The material as purchased to length so there is no surplus material from hich test coupons can be cut. Is there an acceptable form of NDE or other anal tical technique that can be used to measure toughness in lieu of CVN testing?

steel interchange

Steel Interchange is a forum to exchange useful and practical professional ideas and information on all phases of steel building and bridge construction. Opinions and suggestions are welcome on any subject covered in this magazine.

The opinions expressed in Steel Interchange do not necessarily represent an official position of the American Institute of Steel Construction and have not been reviewed. It is recognized that the design of structures is within the scope and expertise of a competent licensed structural engineer, architect or other licensed professional for the application of principles to a particular structure.

If you have a question or problem that your fellow readers might help you solve, please forward it to us. At the same time, feel free to respond to any of the questions that you have read here. Contact Steel Interchange via AISC's Steel Solutions Center:

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