AWS D1.5 Interpretation

Subject: Fracture Critical Weld Size and Heat Input
Code Edition: D1.5M/D1.5:2002
Code Provision: Clause 12 and Table 12.3
AWS Log: D1.5-02-I08

Inquiry: The heat input ranges identified in Table 12.3 start at 30 to 50 kJ/inch, does this mean that a minimum weld pass of 30 kJ/inch is all that can be made?

Response: The code does not provide preheats for fracture critical welding using a heat input of less than 30 kJ/inch. Welding outside of the parameters of Table 12.3 would require agreements of required preheat between the Contractor and Engineer.