

RAI Number	Reviewer	Question Summary	Full Text
20.0-5 Supplement No. 1	Davis R	Revise DCD to indicate that none of the containment penetration welds contain backing bars	<p>In GE's response to RAI 20.5, GE did not provide a clear response to the staff's original RAI question. It is still unclear if backing bars are going to be used on any of the containment penetration welds in the ESBWR design. In order for the staff to determine that the issues raised in BL 80-08 associated with ultrasonic testing of containment penetration welds using backing bars are addressed in the DCD, the staff requests that the applicant modify the DCD to state that weld joint designs for the ESBWR containment liner penetrations do not utilize backing bars. In addition, the staff notes that weld joint designs in DCD, Tier 2, Revision 3, Figures 3.8-7, 3.8-6, 3.8-8 3.8-9, 3.8-10 and 3.8-11, show that a square groove weld joint design will be used to join the flange plate to containment liner. The staff is concerned that the weld joint configuration shown in the aforementioned figures may not provide sound welds given that there is no required beveled edge on the weld joints and no indication that back grinding and welding will be performed. The staff requests that the applicant provide details as to how these welds will be performed (e.g. back grinding and welding or removable backing etc.) and the NDE that will be performed on these welds.</p>