

SGD Inquiry Ballot Spring 2023

Inquiry Number	INQ-650-D149
Date submitted	05/09/2023
Publication Info:	API 650, 13 th Edition
Section Referenced:	5.7.2.2
Subject:	Full Penetration Connection Welds
Background:	API 650 Para 5.7.2.2 states that The only shell openings that may utilize welds having less than full penetration through the shell are those that do not require reinforcement and those that utilize a thickened insert plate as shown in Figure 5.7b and Figure 5.8. However, any openings listed in Table 3 of the Data Sheet that are marked “yes” under “Full Penetration on Openings” shall utilize welds that fully penetrate the shell and the reinforcement, if used.
Question:	With reference to the first part of Para 5.7.2.2 , Does it conversely mean that Shell opening which requires reinforcement SHALL have full penetration welds through the shell and RF Pad?
Ballot question	Q1) Does the description of full penetration through the shell in the first sentence of 5.7.2.2 also mean that full penetration must extend through the reinforcement pad? Q2) Is the reference in 5.7.2.2 to the data sheet and marking yes under full penetration the means to specify that full penetration shall include penetration through the reinforcement pad?
Draft reply	A1) No, 5.7.2.2 reference to full penetration in the first sentence specifically describes it as “through the shell” and is not intended to mean also through the reinforcement pad. A2) Yes,
Need agenda item?	No