

**SGD Inquiry Ballot
Spring 2022**

Inquiry Number	INQ-650-D147
Date submitted	9/7/2021
Publication Info:	650 13th
Section Referenced:	4.2.2
Subject:	first shell course thickness
Background:	We are going to design a storage tank, using plate A516 Gr.60. According to our calculation base on API 650 – clause 5.6.3.2 , the thickness of first shell course has been determined as 45mm.?
Question:	Regarding to clause 4.2.2.(e), maximum thickness of 40mm is acceptable for this material, although in table 5.1a the thickness of 45mm is listed. Is it permissible to use 45mm of A516 Gr60 in construction
Ballot question	Q1) Does the 45mm thickness limit in paragraph 4.2.2 (e) limit A516 Gr.60 shell plates to that maximum thickness? Q2) Do the thickness ranges in Table 5.1a over-ride limits in 4.2.2?
Draft reply	A1) Yes. A2) No
Need agenda item?	No