PAGENO.: DATE: / /

	DATE: / /
(1) L = 1.5 m	
b = 50 mm = 0.05 m 3-point Bending	
$\pm = 3  \text{mm} = 0.003  \text{m}$	
C = 30  mm = 0.03  m	
d = t+c = 0.033 m	
Face-Sheet Data: - Eg = 65 kPa	
5+ = 550 MR	
Core Data :- te = 4.5 MPa	-
Tc = 3.8 MPa	
Feiluro Machania To II T	
Feilure Mechanisme: - · Etastic Indentation	
· Core Shear	
· Jace Microbuckling.	
Max. P According to Elastic Industation	
$P = bt \left(\frac{\pi^2 d E_1 e_2}{3L}\right)^{\frac{1}{3}} \Rightarrow (0.0068484)$	× 106 N
> 6.848 KI	
	V

Max. P According to Core Shear

P= 2TbdTe > 0.0393955 x100 N

39. 3955 KN

	DATE: / /
Max. P According to Face Microbuckling.	
P = 46dt & 0.00726 x106	
! Max Atlowable P -> Min (6.848, 39.395) 7	.26) KN
⇒ 6.848 KN	or 6848 N