AR = M - Awas = 408140 - 1.8x350 - 450.3 cm²

BR = (0.2 ND 3) dw = 0.7 N1.05m take be = 1 m

2 to = 5 c.

+ check of local buckeling

= 1000 - 10 2 11 10K.

Om 7 Oy = 416.03 t Mx= 4081.4 Em 1x=2/100(5)3 +100+ 5x 177.57 + 1.8×3503 = 37939583.3 cm  $2x = \frac{1}{4} = 210775.5 \text{ cm}^3$ Pact = Mx = 408140 = 1.94 Hc2. : Ln = 1.25+25 = 3.125m = 312.5cm - 3 - bracket. Fi = \frac{800 Ar Cb}{Lu \* d} = \frac{800 \* 100 x 5 \* 1}{312.5 \* 350} = 3.66 \* tlc^2 > 2.1 \* tlc^2
0.58 Cy. : lau = 0.58 Py = 2.1 tla > Plact : safe bending. > check deflection: let Mu = Weg 12 => 2251.3 = Weg +402 -sweg = 11.26 t/m A= 5+ 11.26 x 4000 100 x 4000 384 x 2100 x 37939583.3 = 4.750-Dau = 4000 = 5 cm : gabe deflection