

$$-M_A = \frac{1.50^2}{2} \times 5.5 + 0.75 \times 1.5 \times 6.2 + 13.1 = 19.3 \text{ kNm}$$

$$\frac{1774}{6.12^2} = \frac{1.7 + 19.3}{0.35 \times 0.35} = 276 \text{ kN/m}^2 \quad A_{400 \text{ min}} = 260 \text{ mm}^2$$

$$-M_J = \frac{0.50^2}{2} \times 47 + 0.5 \times 12.7 = 5.9 + 6.35 = 12.25 \text{ kNm}$$

$$A_{400 \text{ min}} = 210 \text{ mm}^2 \quad \checkmark$$

$$+M_B = M_{u.A-B} = 0.85 \left(\frac{53.3}{2 + 39.3} \right) = 31 \text{ kNm} \quad \checkmark$$

$$\frac{1774}{6.12^2} = \frac{1.7 + 31}{0.35 \times 0.35} = 430 \text{ kN/m}^2 \quad A_{400 \text{ min}} = 400 \text{ mm}^2$$

$$M_{u.B-C} = 0.08 \times 1.40^2 \times 39.3 = 6.2 \text{ kNm} \quad \checkmark \quad A_{400 \text{ min}} = 210 \text{ mm}^2$$

$$M_{u.C-D} = M_{E-F} = 0.08 \times 0.9^2 \times 67.5 = 4.4 \text{ kNm}$$

$$A_{400 \text{ min}} = 210 \text{ mm}^2 \quad \checkmark$$

$$M_{u.D-E} = M_{u.F-G} = 0.07 \times 1.3^2 \times 67.5 = 11.4 \text{ kNm}$$

$$A_{400 \text{ min}} = 210 \text{ mm}^2 \quad \checkmark$$

$$M_{u.G-H} = 0.08 \times 0.80^2 \times 4.7 = 2.4 \text{ kNm}$$

$$A_{400 \text{ min}} = 210 \text{ mm}^2 \quad \checkmark$$

$$M_{u.H-J} = 0.08 \times 2^2 \times 47 = 15 \text{ kNm} \quad \checkmark$$

$$A_{400 \text{ min}} = 210 \text{ mm}^2 \quad \checkmark$$

$\sigma_{cl} < 0.55 \text{ N/mm}^2$



R_{Ar} en $R_{Bl} > 38!$
 R_{Dr} d.m. $R_{Gl} > 30!$

$$\frac{1.7 + 53000}{350 + 350} = 0.74 \text{ N/mm}^2 \quad \text{bg } f_d = 300$$

