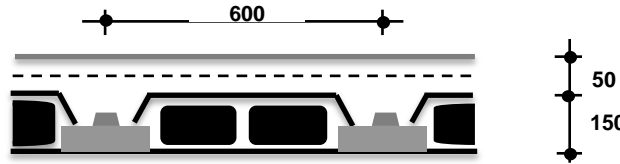


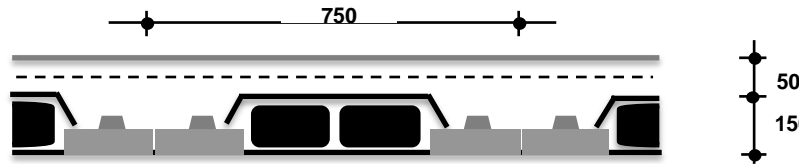
$D_L = 3.49 \text{ kN/m}^2$
 $V_u = 80.77 \text{ mm}$
 $V_L = 119.23 \text{ mm}$
 $V_{oL} = 0.088 \text{ m}^3/\text{m}^2$
 $I = 269.609 \times 10^6 \text{ mm}^4$
 $F = 27.90 \text{ kN/m}$



200
 mm thick slab
 150mm x 58mm Ribs
 S150 Blocks (445mm wide)

| M | WIRES | SPAN | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 | 8500 | 9000 | 9500 | 10000 |
|-------|-------|------|--------------|--------------|--------------|-------------|-------------|------|------|------|------|------|------|------|------|------|-------|
| 12.10 | 4 | | 7.27 | 4.41 | 2.56 | 1.29 | 0.38 | | | | | | | | | | |
| 15.12 | 5 | | 4.45 | 6.38 | 4.07 | 2.48 | 1.35 | 0.51 | | | | | | | | | |
| 18.14 | 6 | | 12.63 | 8.36 | 5.58 | 3.68 | 2.31 | 1.31 | 0.54 | | | | | | | | |
| 21.17 | 7 | | 15.11 | 10.34 | 7.10 | 4.87 | 3.28 | 2.11 | 1.21 | 0.52 | | | | | | | |
| 24.19 | 8 | | | 12.31 | 8.61 | 6.07 | 4.25 | 2.91 | 1.89 | 1.09 | 0.46 | | | | | | |
| 27.22 | 9 | | | 12.45 | 10.12 | 7.26 | 5.22 | 3.71 | 2.56 | 1.66 | 0.95 | 0.38 | | | | | |
| 30.24 | 10 | | | | 10.46 | 8.46 | 6.19 | 4.51 | 3.23 | 2.24 | 4.45 | 0.81 | 0.29 | | | | |
| 33.26 | 11 | | | | | 8.91 | 7.15 | 5.31 | 3.90 | 2.81 | 1.94 | 1.24 | 0.67 | 0.02 | | | |
| 36.29 | 12 | | | | | | 7.67 | 6.11 | 4.57 | 3.38 | 2.43 | 1.61 | 0.72 | | | | |

$D_L = 3.76 \text{ kN/m}^2$
 $V_u = 93.53 \text{ mm}$
 $V_L = 106.47 \text{ mm}$
 $V_{oL} = 0.099 \text{ m}^3/\text{m}^2$
 $I = 443.041 \times 10^6 \text{ mm}^4$
 $F = 44.34 \text{ kN/m}$



200
 mm thick slab
 2 x 150mm x 58mm Ribs
 S150 Blocks (445mm wide)

| M | WIRES | SPAN | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 | 8500 | 9000 | 9500 | 10000 |
|-------|-------|------|--------------|--------------|--------------|--------------|--------------|-------|------|------|------|------|------|------|------|------|-------|
| 19.23 | 8 | | 13.33 | 8.80 | 5.86 | 3.84 | 2.39 | 1.33 | 0.51 | | | | | | | | |
| 24.03 | 10 | | 17.60 | 11.93 | 8.26 | 5.73 | 3.93 | 2.60 | 1.58 | 0.79 | 0.16 | | | | | | |
| 28.84 | 12 | | 21.88 | 15.07 | 10.66 | 7.63 | 5.47 | 3.87 | 2.65 | 1.70 | 0.95 | 0.34 | | | | | |
| 33.64 | 14 | | 25.80 | 18.21 | 13.06 | 9.53 | 7.00 | 5.14 | 3.72 | 2.61 | 1.73 | 1.02 | 0.45 | | | | |
| 38.45 | 16 | | | 21.35 | 15.47 | 11.43 | 8.54 | 6.41 | 4.78 | 3.52 | 2.52 | 1.71 | 1.05 | 0.50 | 0.04 | | |
| 43.26 | 18 | | | 21.58 | 17.87 | 13.33 | 10.08 | 7.68 | 5.85 | 4.43 | 3.30 | 2.39 | 1.65 | 1.03 | 0.51 | 0.07 | |
| 48.06 | 20 | | | | 18.41 | 15.23 | 11.62 | 8.95 | 6.92 | 5.34 | 4.09 | 3.08 | 2.25 | 1.56 | 0.99 | 0.37 | |
| 52.87 | 22 | | | | | 15.95 | 13.16 | 10.22 | 7.99 | 6.25 | 4.87 | 3.76 | 2.85 | 2.00 | 1.09 | | |
| 57.68 | 24 | | | | | | 13.98 | 11.49 | 9.06 | 7.16 | 5.66 | 4.44 | 3.15 | | | | |

D_L = Slab Mass
 V_{oL} = Volume in-situ concrete
 F = Shear Force
 M = Moment of Resistance kNm/m
 Wires= No. of 4.25 &. (Uts = 24kN)

Superimposed load in bold print limited by shear.
 Superimposed load below
 1. Broken line exceeds deflection span/350 in blue
 2. Track line limited to deflection span/250 in orange
 3. Solid line indicates deflection greater than 20mm.