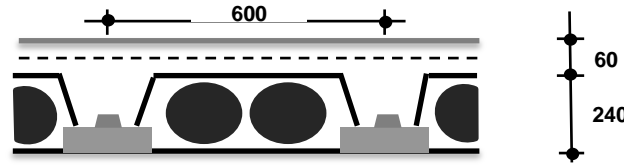


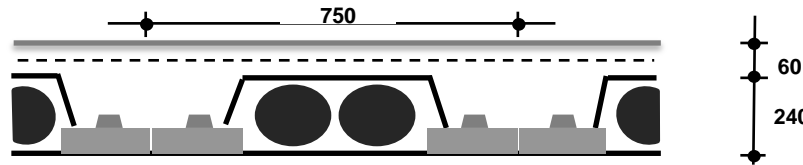
$D_L = 4.45 \text{ kN/m}^2$   
 $V_U = 121.64 \text{ mm}$   
 $V_L = 178.36 \text{ mm}$   
 $V_{OL} = 0.114 \text{ m}^3/\text{m}^2$   
 $I = 840.156 \times 10^6 \text{ mm}^4$   
 $F = 48.57 \text{ kN/m}$



**300**  
 mm thick slab  
 150mm x 58mm Ribs  
 S240 Blocks (445mm wide)

M	WIRES	SPAN	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
21.06	4		14.27	9.30	6.08	3.87	2.29	1.12	0.23								
26.32	5		18.95	12.74	8.71	5.95	3.97	2.51	1.40	0.53							
31.58	6		23.62	16.17	11.34	8.03	5.66	3.90	2.57	1.53	0.71	0.04					
36.85	7		<b>27.93</b>	19.62	13.98	10.11	7.34	5.30	3.74	2.53	1.57	0.79	0.16				
42.11	8			23.05	16.61	12.19	9.03	6.69	4.91	3.52	2.43	1.54	0.81	0.21			
47.38	9			<b>23.30</b>	19.24	14.27	10.71	8.08	6.08	4.52	3.29	2.29	1.47	0.80	0.23		
52.64	10				<b>19.84</b>	16.35	12.39	9.47	7.25	5.52	4.14	3.04	2.13	1.38	0.75	0.22	
57.90	11					<b>17.14</b>	14.08	10.86	8.42	6.51	5.00	3.78	2.79	1.96	1.27	0.68	0.18
63.17	12						<b>14.98</b>	12.26	9.59	7.51	5.86	4.53	3.45	2.54	1.79	1.15	0.60

$D_L = 5.02 \text{ kN/m}^2$   
 $V_U = 140.54 \text{ mm}$   
 $V_L = 159.46 \text{ mm}$   
 $V_{OL} = 0.140 \text{ m}^3/\text{m}^2$   
 $I = 1\,382.826 \times 10^6 \text{ mm}^4$   
 $F = 77.19 \text{ kN/m}$



**300**  
 mm thick slab  
 2 x 150mm x 58mm Ribs  
 S240 Blocks (445mm wide)

M	WIRES	SPAN	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
33.47	8		24.73	16.84	11.72	8.20	5.69	3.83	2.42	1.32	0.44						
41.83	10		32.16	22.30	15.90	11.51	8.37	6.04	4.28	2.90	1.81	0.93	0.21				
50.20	12		39.60	27.76	20.08	14.81	11.04	8.26	6.14	4.49	3.18	2.12	1.26	0.54			
58.57	14		<b>46.44</b>	33.23	24.27	18.12	13.72	10.47	8.00	6.07	4.54	3.31	2.30	1.47	0.76	0.17	
66.93	16			38.69	28.45	21.42	16.40	12.68	9.85	7.65	5.91	4.5	3.35	2.39	1.59	0.91	0.33
75.30	18			<b>39.09</b>	32.63	24.73	19.08	14.89	11.71	9.24	7.27	5.69	4.39	3.32	2.42	1.65	1.00
83.67	20				<b>33.58</b>	28.03	21.75	17.11	13.57	10.82	8.64	6.88	5.44	4.24	3.24	2.40	1.67
92.63	22					<b>29.29</b>	24.43	19.32	15.43	12.41	10.01	8.07	6.48	5.17	4.07	3.14	2.34
100.40	24						<b>25.86</b>	21.53	17.29	13.99	11.37	9.26	7.53	6.10	4.90	3.88	3.01

$D_L$  = 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.