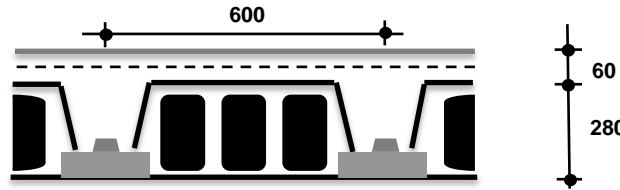


$D_L = 4.84 \text{ kN/m}^2$
 $V_u = 138.83 \text{ mm}$
 $V_L = 201.17 \text{ mm}$
 $V_{oL} = 0.124 \text{ m}^3/\text{m}^2$
 $I = 1\,182.688 \times 10^6 \text{ mm}^4$
 $F = 56.83 \text{ kN/m}$



340

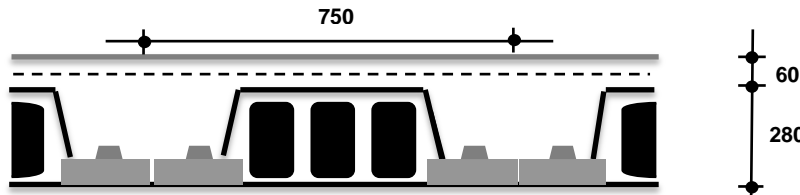
mm thick slab

150mm x 58mm Ribs

S280 Blocks (445mm wide)

M	WIRES	SPAN	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
24.64	4		17.06	11.25	7.48	4.89	3.04	1.68	0.64								
30.80	5		22.54	15.27	10.56	7.33	5.02	3.31	2.00	0.99	0.19						
36.96	6		28.01	19.30	13.64	9.76	6.99	4.93	3.37	2.16	1.19	0.42					
43.12	7		33.05	23.32	16.72	12.20	8.96	6.56	4.74	3.32	2.20	1.29	0.55				
49.28	8			27.34	19.80	14.63	10.93	8.19	6.11	4.49	3.21	2.17	1.32	0.62	0.03		
55.44	9			27.63	22.88	17.06	12.90	9.82	7.48	5.66	4.21	3.04	2.09	1.30	0.64	0.07	
61.60	10				23.58	19.50	14.87	11.45	8.85	6.82	5.22	3.92	2.86	1.98	1.24	0.62	0.09
67.76	11					20.42	16.84	13.08	10.22	7.99	6.22	4.8	3.63	2.66	1.85	1.17	0.58
73.92	12						17.89	14.71	11.59	9.16	7.23	5.67	4.40	3.34	2.46	1.71	1.07

$D_L = 5.52 \text{ kN/m}^2$
 $V_u = 159.68 \text{ mm}$
 $V_L = 180.32 \text{ mm}$
 $V_{oL} = 0.156 \text{ m}^3/\text{m}^2$
 $I = 1\,949.396 \times 10^6 \text{ mm}^4$
 $F = 90.33 \text{ kN/m}$



340

mm thick slab

2 x 150mm x 58mm Ribs

S280 Blocks (445mm wide)

M	WIRES	SPAN	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
39.16	8		29.29	20.05	14.06	9.95	7.01	4.84	3.18	1.89	0.87	0.05					
48.95	10		37.99	16.45	18.96	13.82	10.14	7.43	5.36	3.75	2.47	1.44	0.6				
58.74	12		46.69	32.84	23.85	17.69	13.28	10.01	7.53	5.60	4.07	2.83	1.80	0.98	0.28		
68.54	14		54.70	39.24	28.75	21.56	16.41	12.61	9.71	7.46	5.67	4.23	3.05	2.07	1.25	0.56	
78.33	16			45.63	33.65	25.43	19.55	15.20	11.89	9.31	7.27	5.62	4.27	3.15	2.22	1.42	0.75
88.12	18			46.10	38.54	29.29	22.68	17.78	14.09	11.17	8.87	7.01	5.50	4.24	3.18	2.29	1.53
97.91	20				39.65	33.16	25.81	20.37	16.24	13.02	10.47	8.4	6.72	5.32	4.15	3.16	2.31
107.70	22					34.63	28.94	22.96	18.41	14.87	12.06	9.8	7.94	6.41	5.12	1.03	3.10
117.49	24						30.61	25.55	20.59	16.73	13.66	11.19	9.17	7.49	6.08	4.89	3.88

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
2. Track line limited to deflection span/250
3. Solid line indicates deflection greater than 20mm.