

350mm PRESTRESSED CONCRETE SLAB 09.1112-29 - SAFE LOAD TABLE							08/05/2019	
Self Weight 648Kg/m - SAFE LOADS are exclusive of self weight								
EFFECTIVE SPAN (see fig A for explanation)		PRELIMINARY UNIFORM SAFE LOAD (0 infilled holes)	SHEAR 0 INFILLED HOLES	BEARING 0 INFILLED HOLES	PRELIMINARY UNIFORM SAFE LOAD (2 infilled holes)	SHEAR* 2 INFILLED HOLES	BEARING 2 INFILLED HOLES	9mm TOP WIRES
meters	feet	Kg/m <sup>2</sup>	T/panel	mm	Kg/m <sup>2</sup>	T/panel	mm	
3.0	9'10"	9,345	16.82	100	12,234	22.02	100	2
3.5	11'6"	7,914	16.62	100	10,391	21.82	100	2
4.0	13'1"	6,846	16.43	100	9,013	21.63	100	2
4.5	14'9"	6,011	16.23	100	7,765	21.43	100	2
5.0	16'5"	5,343	16.03	100	6,179	21.23	100	2
5.5	18'0"	4,797	15.83	100	5,006	21.03	100	2
6.0	19'8"	4,114	15.63	100	4,114	20.83	100	2
6.5	21'4"	3,420	15.43	100	3,420	20.63	100	2
7.0	23'0"	2,869	15.23	100	2,869	20.43	100	2
7.5	24'7"	2,424	15.03	100	2,424	20.23	100	2
8.0	26'3"	2,061	14.83	100	2,061	20.03	100	2
8.5	27'11"	1,759	14.63	100	1,759	19.83	100	2
9.0	29'6"	1,506	14.43	100	1,506	19.63	100	2
9.5	31'2"	1,293	14.23	100	1,293	19.43	100	2
10.0	32'10"	1,110	14.03	100	1,110	19.23	100	2
10.5	34'5"	953	13.83	100	953	19.03	100	2
11.0	36'0"	817	13.64	100	817	18.84	100	2
11.5	37'9"	698	14.44	100	698	19.64	100	2
12.0	39'4"	594	13.24	100	594	18.44	101	2
12.5	41'0"	502	13.04	100	502	18.24	103	2
13.0	42'8"	420	12.84	100	420	18.04	105	2
13.5	44'4"	347	12.64	101	347	17.84	107	2
14.0	45'11"	282	12.44	103	282	17.64	109	2
14.5	47'7"	207	12.24	105	207	17.44	111	2
15.0	49'3"	139	12.04	107	139	17.24	113	2

**Notes to Periti:**

- (A) Load tables conforming to MSA EN 1992-1-2 Eurocode 2: Design of concrete structures - Part 1-1: General with both the safe load values satisfying the serviceability limit state (SLS)
- (B) For HC slabs resting on beams, filling of hollows in C30 concrete at supports is recommended.
- (C) The min. bearing of HC slabs as per table above is to be 100mm up to a max. of 125mm depending on the loads & strength C30 of suletta.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Lengths of slabs longer than 9m to have additional 2 wires of 9 in the top corners
- \* For enhanced shear values each infilled hole has an additional shear value given at 2.60T/hole. Length of infill is to be determined by the project *Perit*.



Fig A

350  
 Concrete grade: C35/45  
 AREA: 0.270 Sq.m  
 HOLE AREA: 0.0342 Sq.m  
 WEIGHT/m: 648 Kg/m  
 Bw: 405 mm  
 Ioc: 371.751cm<sup>4</sup>  
 YE: 180mm  
 Yb: 170mm

