

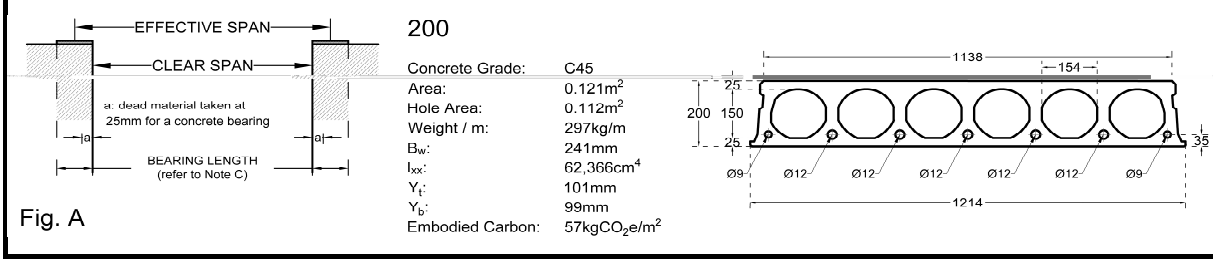
**200mm PRESTRESSED CONCRETE SLAB 29.512-00 - SAFE LOAD TABLE** 14/01/2024

Self Weight 297kg/m - SAFE LOADS are exclusive of self weight (60mins fire resistance)

EFFECTIVE SPAN (see fig A for explanation)		PRELIMINARY UNIFORM SAFE LOAD (0 in-filled holes)	SHEAR 0 INFILLED HOLES	BEARING 0 INFILLED HOLES	PRELIMINARY UNIFORM SAFE LOAD (2 in-filled 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"	2,989	5.38	100	4,333	7.80	100	
3.5	11'6"	2,519	5.29	100	3,672	7.71	100	
4.0	13'1"	2,167	5.20	100	3,175	7.62	100	
4.5	14'9"	1,896	5.12	100	2,793	7.54	100	
5.0	16'5"	1,677	5.03	100	2,407	7.45	100	
5.5	18'0"	1,497	4.94	100	1,945	7.36	100	
6.0	19'8"	1,347	4.85	100	1,593	7.27	100	
6.5	21'4"	1,223	4.77	100	1,319	7.19	100	
7.0	23'0"	1,102	4.68	100	1,102	7.10	100	
7.5	24'7"	927	4.59	100	927	7.01	100	
8.0	26'3"	783	4.50	100	783	6.92	100	
8.5	27'11"	665	4.42	100	665	6.84	100	

**Notes to Periti:** Refer also to guidelines: <http://www.gmfprecast.sandbox.local.com.mt/technical specs>

- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, 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 minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.



250mm PRESTRESSED CONCRETE SLAB 29.512-00 - SAFE LOAD TABLE							14/01/2024	
Self Weight 365Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)								
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"	4,195	7.55	100	5,828	10.49	100	
3.5	11'6"	3,543	7.44	100	4,943	10.38	100	
4.0	13'1"	3,054	7.33	100	4,279	10.27	100	
4.5	14'9"	2,678	7.23	100	3,767	10.17	100	
5.0	16'5"	2,373	7.12	100	3,091	10.06	100	
5.5	18'0"	2,124	7.01	100	2,500	9.95	100	
6.0	19'8"	1,917	6.90	100	2,050	9.84	100	
6.5	21'4"	1,701	6.79	100	1,701	9.73	100	
7.0	23'0"	1,423	6.69	100	1,423	9.63	100	
7.5	24'7"	1,119	6.58	100	1,119	9.52	100	
8.0	26'3"	1,016	6.47	100	1,016	9.41	100	
8.5	27'11"	864	6.36	100	864	9.30	100	
9.0	29'6"	737	6.25	100	737	9.19	100	2
9.5	31'2"	629	6.15	100	629	9.09	100	2
SPANS BELOW TO APPLY SHED TYPE ROOFING ONLY								
10.0	32'10"	537	6.04	100	537	8.98	100	2
10.5	34'5"	458	5.93	100	458	8.87	100	2
11.0	36'0"	389	5.82	100	389	8.76	100	2
11.5	37'9"	330	5.71	100	330	8.65	100	2
12.0	39'4"	277	5.61	100	277	8.55	100	2

**Notes to Periti:** Refer also to guidelines: [http://www.gmfprecast.sandbox.local.com.mt/technical\\_specs](http://www.gmfprecast.sandbox.local.com.mt/technical_specs)

- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, 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 minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.

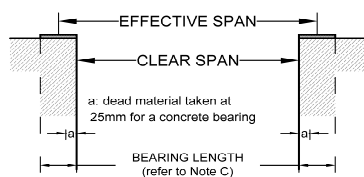
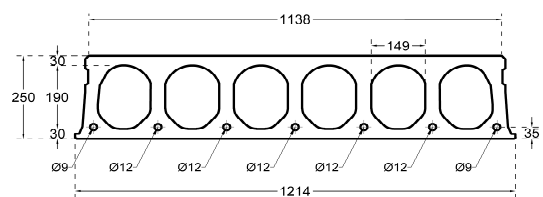


Fig. A

**250**

Concrete Grade: C45  
 Area: 0.149m<sup>2</sup>  
 Hole Area: 0.142m<sup>2</sup>  
 Weight / m: 365kg/m  
 B<sub>w</sub>: 278mm  
 I<sub>xx</sub>: 118,973cm<sup>4</sup>  
 Y<sub>t</sub>: 126mm  
 Y<sub>b</sub>: 124mm  
 Embodied Carbon: 65kgCO<sub>2</sub>e/m<sup>2</sup>



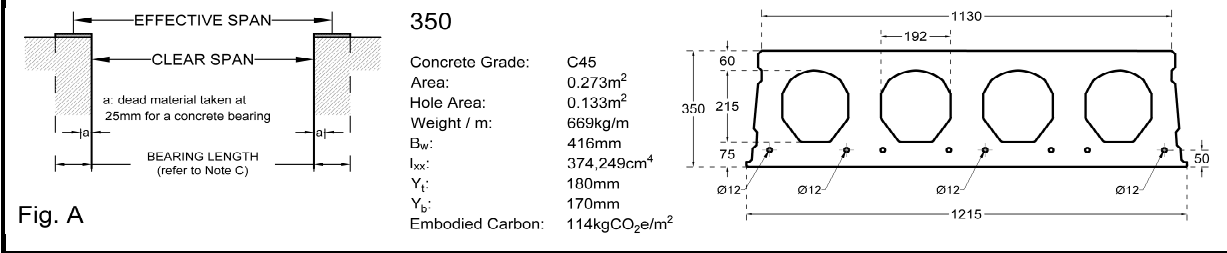
**350mm PRESTRESSED CONCRETE SLAB 09.0812-00 - SAFE LOAD TABLE** 14/01/2024

Self Weight 669Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)

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"	8,061	14.51	100	10,950	19.71	100	
3.5	11'6"	6,814	14.31	100	9,291	19.51	100	
4.0	13'1"	5,879	14.11	100	8,046	19.31	100	
4.5	14'9"	5,152	13.91	100	6,373	19.11	100	
5.0	16'5"	4,567	13.70	100	5,050	18.90	100	
5.5	18'0"	4,072	13.50	100	4,072	18.70	100	
6.0	19'8"	3,328	13.30	100	3,328	18.50	100	
6.5	21'4"	2,749	13.10	100	2,749	18.30	100	
7.0	23'0"	2,289	12.90	100	2,289	18.10	100	
7.5	24'7"	1,918	12.70	100	1,918	17.90	100	
8.0	26'3"	1,615	12.49	100	1,615	17.69	100	

**Notes to Periti:** Refer also to guidelines: <http://www.gmfprecast.sandbox.local.com/mt/technical specs>

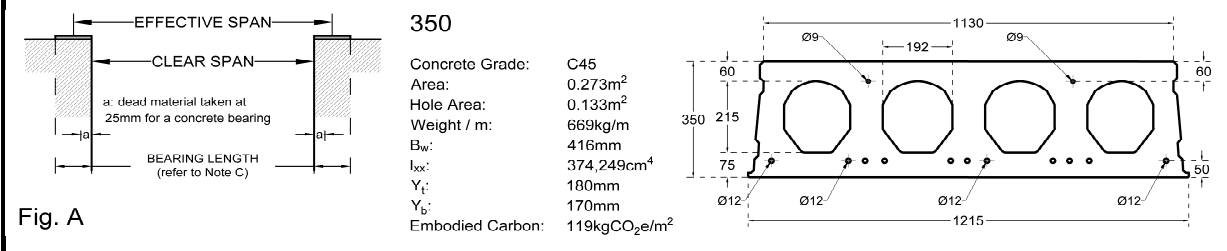
- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, with both the safe load values satisfying the serviceability limit state (SLS)
- (B) For HC slabs resting on beams, filling of hollows in C30 concrete at supports is recommended.
- (C) The minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.



350mm PRESTRESSED CONCRETE SLAB 09.1112-29 - SAFE LOAD TABLE								14/01/2024
Self Weight 669Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)								
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"	8,845	15.92	100	11,734	21.12	100	2
3.5	11'6"	7,481	15.71	100	9,957	20.91	100	2
4.0	13'1"	6,463	15.51	100	8,629	20.71	100	2
4.5	14'9"	5,670	15.31	100	7,531	20.51	100	2
5.0	16'5"	5,037	15.11	100	5,989	20.31	100	2
5.5	18'0"	4,518	14.91	100	4,847	20.11	100	2
6.0	19'8"	3,979	14.70	100	3,979	19.90	100	2
6.5	21'4"	3,304	14.50	100	3,304	19.70	100	2
7.0	23'0"	2,768	14.30	100	2,768	19.50	100	2
7.5	24'7"	2,335	14.10	100	2,335	19.30	100	2
8.0	26'3"	1,981	13.90	100	1,981	19.10	100	2
8.5	27'11"	1,688	13.70	100	1,688	18.90	100	2
9.0	29'6"	1,442	13.49	100	1,442	18.69	100	2
9.5	31'2"	1,234	13.29	100	1,234	18.49	100	2
10.0	32'10"	1,057	13.09	100	1,057	18.29	100	2
10.5	34'5"	904	12.89	100	904	18.09	100	2
11.0	36'0"	771	12.69	100	771	17.89	100	2
11.5	37'9"	656	12.48	100	656	17.68	100	2
12.0	39'4"	554	12.28	100	554	17.48	100	2
12.5	41'0"	465	12.08	100	465	17.28	105	2
13.0	42'8"	385	11.88	100	385	17.08	105	2
13.5	44'4"	315	11.68	100	315	16.88	110	2
14.0	45'11"	251	11.48	105	251	16.68	110	2
14.5	47'7"	182	11.27	105	182	16.47	110	2
15.0	49'3"	115	11.07	110	115	16.27	115	2

**Notes to Periti:** Refer also to guidelines: <http://www.gmfprecast.sandbox.local.com/mt/technical specs>

- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, 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 minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.



350mm PRESTRESSED CONCRETE SLAB 09.1412-29 - SAFE LOAD TABLE								14/01/2024
Self Weight 669Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)								
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"	9,561	17.21	100	12,450	22.41	100	2
3.5	11'6"	8,100	17.01	100	10,576	22.21	100	2
4.0	13'1"	7,004	16.81	100	9,171	22.01	100	2
4.5	14'9"	6,152	16.61	100	8,078	21.81	100	2
5.0	16'5"	5,467	16.40	100	7,200	21.60	100	2
5.5	18'0"	4,909	16.20	100	6,388	21.40	100	2
6.0	19'8"	4,445	16.00	100	5,274	21.20	100	2
6.5	21'4"	4,051	15.80	100	4,407	21.00	100	2
7.0	23'0"	3,714	15.60	100	3,719	20.80	100	2
7.5	24'7"	3,164	15.40	100	3,164	20.60	100	2
8.0	26'3"	2,710	15.19	100	2,710	20.39	100	2
8.5	27'11"	2,333	14.99	100	2,333	20.19	100	2
9.0	29'6"	2,018	14.79	100	2,018	19.99	100	2
9.5	31'2"	1,751	14.59	100	1,751	19.79	100	2
10.0	32'10"	1,523	14.39	100	1,523	19.59	100	2
10.5	34'5"	1,327	14.18	100	1,327	19.38	100	2
11.0	36'0"	1,157	13.98	100	1,157	19.18	100	2
11.5	37'9"	1,008	13.78	100	1,008	18.98	100	2
12.0	39'4"	878	13.58	100	878	18.78	105	2
12.5	41'0"	763	13.38	100	763	18.58	105	2
13.0	42'8"	642	13.18	100	642	18.38	110	2
13.5	44'4"	530	12.97	105	530	18.17	110	2
14.0	45'11"	432	12.77	105	432	17.97	110	2
14.5	47'7"	345	12.57	110	345	17.77	115	2
15.0	49'3"	268	12.37	110	268	17.57	115	2
15.5	50'10"	199	12.17	110	199	17.37	120	2
16.0	52'6"	138	11.96	115	138	17.16	120	2
16.5	54'2"	83	11.76	115	83	16.96	120	2

**Notes to Periti:** Refer also to guidelines: [http://www.gmfprecast.sandbox.local.com.mt/technical specs](http://www.gmfprecast.sandbox.local.com.mt/technical_specs)

- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, 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 minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.

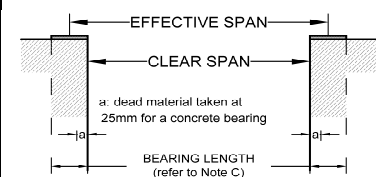
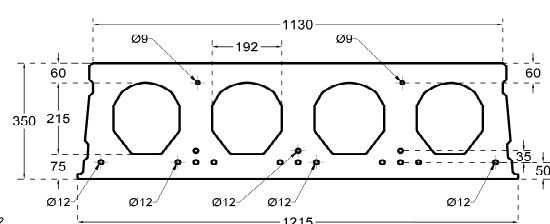


Fig. A

**350**  
 Concrete Grade: C45  
 Area: 0.273m<sup>2</sup>  
 Hole Area: 0.133m<sup>2</sup>  
 Weight / m: 669kg/m  
 B<sub>w</sub>: 416mm  
 I<sub>xx</sub>: 374,249cm<sup>4</sup>  
 Y<sub>t</sub>: 180mm  
 Y<sub>b</sub>: 170mm  
 Embodied Carbon: 122kgCO<sub>2</sub>e/m<sup>2</sup>



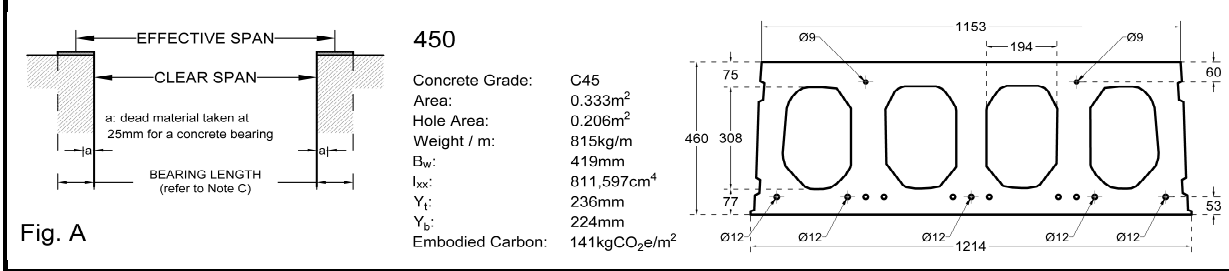
**450mm PRESTRESSED CONCRETE SLAB 09.1112-29 - SAFE LOAD TABLE** 14/01/2024

Self Weight 815Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)

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"	12,734	19.58	100	16,611	26.56	100	2
3.5	11'6"	10,795	19.36	100	14,119	26.34	100	2
4.0	13'1"	9,342	19.14	100	12,250	26.12	100	2
4.5	14'9"	8,211	18.93	100	10,797	25.91	100	2
5.0	16'5"	7,307	18.71	100	9,634	25.69	100	2
5.5	18'0"	6,549	18.49	100	8,612	25.47	100	2
6.0	19'8"	5,851	18.28	100	7,538	25.26	100	2
6.5	21'4"	5,275	18.06	100	6,318	25.04	100	2
7.0	23'0"	4,791	17.84	100	5,350	24.82	100	2
7.5	24'7"	4,380	17.62	100	4,568	24.60	100	2
8.0	26'3"	3,929	17.41	100	3,929	24.39	100	2
8.5	27'11"	3,399	17.19	100	3,399	24.17	100	2
9.0	29'6"	2,955	16.97	100	2,955	23.95	100	2
9.5	31'2"	2,580	16.76	100	2,580	23.74	100	2
10.0	32'10"	2,259	16.54	100	2,259	23.52	100	2
10.5	34'5"	1,983	16.32	100	1,983	23.30	105	2
11.0	36'0"	1,743	16.10	100	1,743	23.08	105	2
11.5	37'9"	1,535	15.89	100	1,535	22.87	110	2
12.0	39'4"	1,351	15.67	100	1,351	22.65	110	2
12.5	41'0"	1,190	15.45	105	1,190	22.43	110	2
13.0	42'8"	1,046	15.24	105	1,046	22.22	115	2
13.5	44'4"	919	15.02	105	919	22.00	115	2
14.0	45'11"	804	14.80	110	804	21.78	120	2
14.5	47'7"	702	14.58	110	702	21.56	120	2
15.0	49'3"	609	14.37	115	609	21.35	120	2
15.5	50'10"	525	14.15	115	525	21.13	125	2
16.0	52'6"	449	13.93	120	449	20.91	125	2
16.5	54'2"	380	13.71	120	380	20.69	130	2
17.0	55'9"	317	13.50	120	317	20.48	130	2
17.5	57'5"	259	13.28	125	259	20.26	130	2
18.0	59'0"	192	13.06	125	192	20.04	135	2

**Notes to Periti:** Refer also to guidelines: <http://www.gmfprecast.sandbox.local.com/mt/technical specs>

- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, 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 minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.



Address: St Mary Street,  
Maghtab NXR 65 15, Malta.

[www.gmfprecast.sandbox.local.com/mt/](http://www.gmfprecast.sandbox.local.com/mt/)  
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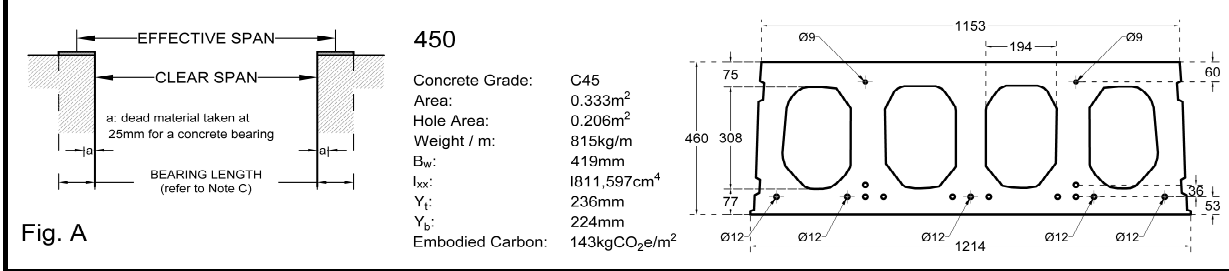
**450mm PRESTRESSED CONCRETE SLAB 09.1312-29 - SAFE LOAD TABLE** 14/01/2024

Self Weight 815Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)

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"	13,411	20.64	100	17,289	27.62	100	2
3.5	11'6"	11,376	20.42	100	14,700	27.40	100	2
4.0	13'1"	9,850	20.20	100	12,759	27.18	100	2
4.5	14'9"	8,663	19.99	100	11,248	26.97	100	2
5.0	16'5"	7,713	19.77	100	10,040	26.75	100	2
5.5	18'0"	6,925	19.55	100	9,055	26.53	100	2
6.0	19'8"	6,190	19.34	100	8,231	26.32	100	2
6.5	21'4"	5,584	19.12	100	7,433	26.10	100	2
7.0	23'0"	5,076	18.90	100	6,311	25.88	100	2
7.5	24'7"	4,644	18.86	100	5,406	25.66	100	2
8.0	26'3"	4,271	18.47	100	4,665	25.45	100	2
8.5	27'11"	3,792	18.25	100	4,051	25.23	100	2
9.0	29'6"	3,537	18.03	100	3,537	25.01	100	2
9.5	31'2"	3,101	17.81	100	3,101	24.79	100	2
10.0	32'10"	2,730	17.60	100	2,730	24.58	105	2
10.5	34'5"	2,410	17.38	100	2,410	24.36	105	2
11.0	36'0"	2,133	17.16	100	2,133	24.14	105	2
11.5	37'9"	1,891	16.95	100	1,891	23.93	110	2
12.0	39'4"	1,678	16.73	105	1,678	23.71	110	2
12.5	41'0"	1,491	16.51	105	1,491	23.49	115	2
13.0	42'8"	1,325	16.29	105	1,325	23.27	115	2
13.5	44'4"	1,177	16.08	110	1,177	23.06	115	2
14.0	45'11"	1,045	15.86	110	1,045	22.84	120	2
14.5	47'7"	926	15.64	115	926	22.62	120	2
15.0	49'3"	818	15.43	115	818	22.41	125	2
15.5	50'10"	721	15.21	115	721	22.19	125	2
16.0	52'6"	633	14.99	120	633	21.97	125	2
16.5	54'2"	553	14.77	120	553	21.75	130	2
17.0	55'9"	464	14.56	125	464	21.54	130	2
17.5	57'5"	380	14.34	125	380	21.32	135	2
18.0	59'0"	303	14.12	125	303	21.10	135	2

**Notes to Periti:** Refer also to guidelines: <http://www.gmfprecast.sandbox.local.com/mt/technical specs>

- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, 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 minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.



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500mm PRESTRESSED CONCRETE SLAB 09.1312-29 - SAFE LOAD TABLE								14/01/2024
Self Weight 1,006Kg/m - SAFE LOADS are exclusive of self weight (90mins fire resistance)								
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"	15,578	25.24	100	19,512	32.32	105	2
3.5	11'6"	13,210	24.97	100	16,581	32.05	105	2
4.0	13'1"	11,434	24.70	100	14,384	31.78	105	2
4.5	14'9"	10,052	24.43	100	12,674	31.51	105	2
5.0	16'5"	8,947	24.16	100	11,307	31.24	105	2
5.5	18'0"	8,043	23.89	100	10,188	30.97	110	2
6.0	19'8"	7,289	23.62	100	9,256	30.70	110	2
6.5	21'4"	6,651	23.35	100	8,217	30.43	110	2
7.0	23'0"	6,105	23.08	100	6,964	30.16	110	2
7.5	24'7"	5,631	22.81	100	5,953	29.89	110	2
8.0	26'3"	5,126	22.54	100	5,126	29.62	110	2
8.5	27'11"	4,440	22.27	100	4,440	29.35	110	2
9.0	29'6"	3,866	22.00	100	3,866	29.08	110	2
9.5	31'2"	3,379	21.73	100	3,379	28.81	110	2
10.0	32'10"	2,964	21.47	100	2,964	28.55	110	2
10.5	34'5"	2,607	21.20	105	2,607	28.28	110	2
11.0	36'0"	2,297	20.93	105	2,297	28.01	115	2
11.5	37'9"	2,027	20.66	105	2,027	27.74	115	2
12.0	39'4"	1,790	20.39	110	1,790	27.47	115	2
12.5	41'0"	1,580	20.12	110	1,580	27.20	120	2
13.0	42'8"	1,395	19.85	115	1,395	26.93	120	2
13.5	44'4"	1,230	19.58	115	1,230	26.66	125	2
14.0	45'11"	1,082	19.31	115	1,082	26.39	125	2
14.5	47'7"	949	19.04	120	949	26.12	125	2
15.0	49'3"	829	18.77	120	829	25.85	130	2
15.5	50'10"	721	18.50	125	721	25.58	130	2
16.0	52'6"	623	18.23	125	623	25.31	135	2
16.5	54'2"	533	17.96	125	533	25.04	135	2
17.0	55'9"	451	17.69	130	451	24.77	140	2
17.5	57'5"	376	17.42	130	376	24.50	140	2

**Notes to Periti:** Refer also to guidelines: [http://www.gmfprecast.sandbox.local.com/mt/technical\\_specs](http://www.gmfprecast.sandbox.local.com/mt/technical_specs)

- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, 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 minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.

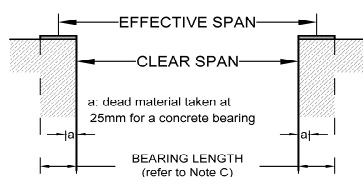
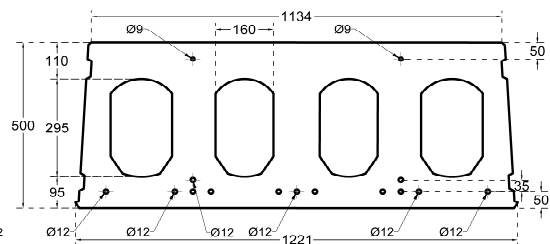


Fig. A

**500**  
 Concrete Grade: C45  
 Area: 0.411m<sup>2</sup>  
 Hole Area: 0.175m<sup>2</sup>  
 Weight / m: 1,006Kg/m  
 B<sub>w</sub>: 518mm  
 I<sub>xx</sub>: 1,111,939cm<sup>4</sup>  
 Y<sub>t</sub>: 250mm  
 Y<sub>b</sub>: 250mm  
 Embodied Carbon: 173kgCO<sub>2</sub>e/m<sup>2</sup>





525mm PRESTRESSED CONCRETE SLAB 09.1312-29 - SAFE LOAD TABLE								14/01/2024
Self Weight 1078Kg/m - SAFE LOADS are exclusive of self weight (2hrs fire resistance)								
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"	16,145	26.15	100	20,167	33.39	110	2
3.5	11'6"	13,691	25.88	100	17,138	33.12	110	2
4.0	13'1"	11,846	25.59	100	14,863	32.83	110	2
4.5	14'9"	10,415	25.31	100	13,097	32.55	110	2
5.0	16'5"	9,267	25.02	100	11,680	32.26	110	2
5.5	18'0"	8,327	24.73	100	10,521	31.97	110	2
6.0	19'8"	7,547	24.45	100	9,559	31.69	110	2
6.5	21'4"	6,885	24.17	100	8,550	31.41	110	2
7.0	23'0"	6,317	23.88	100	7,242	31.12	110	2
7.5	24'7"	5,827	23.60	100	6,187	30.84	110	2
8.0	26'3"	5,324	23.31	100	5,324	30.55	110	2
8.5	27'11"	4,608	23.03	100	4,608	30.27	110	2
9.0	29'6"	4,008	22.74	100	4,008	29.98	110	2
9.5	31'2"	3,501	22.46	100	3,501	29.70	110	2
10.0	32'10"	3,068	22.18	100	3,068	29.42	110	2
10.5	34'5"	2,695	21.89	105	2,695	29.13	115	2
11.0	36'0"	2,372	21.61	105	2,372	28.85	115	2
11.5	37'9"	2,090	21.32	110	2,090	28.56	115	2
12.0	39'4"	1,842	21.03	110	1,842	28.27	120	2
12.5	41'0"	1,624	20.75	110	1,624	27.99	120	2
13.0	42'8"	1,430	20.47	115	1,430	27.71	125	2
13.5	44'4"	1,258	20.19	115	1,258	27.43	125	2
14.0	45'11"	1,103	19.90	120	1,103	27.14	125	2
14.5	47'7"	965	19.61	120	965	26.85	130	2
15.0	49'3"	840	19.33	120	840	26.57	130	2
15.5	50'10"	727	19.04	125	727	26.28	135	2
16.0	52'6"	624	18.77	125	624	26.01	135	2
16.5	54'2"	530	18.48	130	530	25.72	135	2
17.0	55'9"	445	18.19	130	445	25.43	140	2
17.5	57'5"	367	17.91	130	367	25.15	140	2
18.0	59'0"	295	17.62	135	295	24.86	145	2

**Notes to Periti:** Refer also to guidelines: [http://www.gmfprecast.sandbox.local.com/mt/technical\\_specs](http://www.gmfprecast.sandbox.local.com/mt/technical_specs)

- (A) Load tables conforming to *MSA EN 1992-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings*, 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 minimum bearing of HC slabs as per table above is to be a minimum of 100mm depending on the loads & strength C30 of padstone suletta, important to have a fair faced finish to the top surface.
- (D) For all load patterns, eg point loads, these are to be converted to equivalent uniform loads, whilst the **actual** shear load needs to be addressed.
- (E) The selection of *plank* type is the responsibility of the client's *Perit*.
- (F) Embodied carbon is measured per square meter on plan.

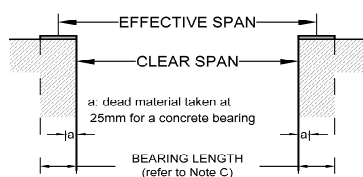
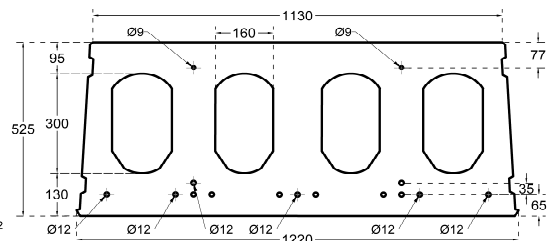


Fig. A

**525**  
 Concrete Grade: C45  
 Area: 0.441m<sup>2</sup>  
 Hole Area: 0.174m<sup>2</sup>  
 Weight / m: 1,078kg/m  
 B<sub>w</sub>: 527mm  
 I<sub>xx</sub>: 1,288,220cm<sup>4</sup>  
 Y<sub>t</sub>: 274mm  
 Y<sub>b</sub>: 251mm  
 Embodied Carbon: 185kgCO<sub>2</sub>e/m<sup>2</sup>



525mm PRESTRESSED CONCRETE SLAB 09.1412-29 - SAFE LOAD TABLE								14/01/2024
Self Weight 1078Kg/m - SAFE LOADS are exclusive of self weight (2hrs fire resistance)								
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"	16,517	26.76	100	20,539	34.00	110	2
3.5	11'6"	14,005	26.47	100	17,453	33.71	110	2
4.0	13'1"	12,121	26.18	100	15,138	33.42	110	2
4.5	14'9"	10,659	25.90	100	13,341	33.14	110	2
5.0	16'5"	9,487	25.61	100	11,900	32.85	110	2
5.5	18'0"	8,530	25.34	100	10,724	32.58	110	2
6.0	19'8"	7,731	25.05	100	9,742	32.29	110	2
6.5	21'4"	7,054	24.76	100	8,910	32.00	110	2
7.0	23'0"	6,476	24.48	100	7,737	31.72	110	2
7.5	24'7"	5,973	24.19	100	6,618	31.43	110	2
8.0	26'3"	5,536	23.91	100	5,702	31.15	110	2
8.5	27'11"	4,632	23.63	100	4,944	30.87	110	2
9.0	29'6"	4,308	23.34	100	4,308	30.58	110	2
9.5	31'2"	3,770	23.06	100	3,770	30.30	110	2
10.0	32'10"	3,310	22.77	105	3,310	30.01	110	2
10.5	34'5"	2,915	22.49	105	2,915	29.73	115	2
11.0	36'0"	2,572	22.20	105	2,572	29.44	115	2
11.5	37'9"	2,273	21.92	110	2,273	29.16	115	2
12.0	39'4"	2,011	21.64	110	2,011	28.88	120	2
12.5	41'0"	1,779	21.35	115	1,779	28.59	120	2
13.0	42'8"	1,574	21.06	115	1,574	28.30	125	2
13.5	44'4"	1,391	20.78	115	1,391	28.02	125	2
14.0	45'11"	1,227	20.49	120	1,227	27.73	130	2
14.5	47'7"	1,080	20.21	120	1,080	27.45	130	2
15.0	49'3"	947	19.93	125	947	27.17	130	2
15.5	50'10"	827	19.64	125	827	26.88	135	2
16.0	52'6"	719	19.36	125	719	26.60	135	2
16.5	54'2"	619	19.07	130	619	26.31	140	2
17.0	55'9"	529	18.79	130	529	26.03	140	2
17.5	57'5"	446	18.50	135	446	25.74	140	2
18.0	59'0"	370	18.22	135	370	25.46	145	2

**Notes to Periti:** Refer also to guidelines: <http://www.gmfprecast.sandbox.local.com/mt/technical specs>

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