Client: KLC Ltd
Job: Timber deck joist charts

Job No: 2569
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Date: 18/09/2018
Designed: DVR

Deck joist selection tables

Domestic deck load

Single span				
Maximum span				
	Deck joist spacing			
Size	300	400	450	500
43x43	900	820	790	760
68x44	1430	1300	1250	1210
88x44	1850	1680	1620	1560
120x44	2530	2300	2210	2130
138x44	2910	2640	2540	2450

Continuous across 2 or more spans				
Maximum span				
	Deck joist spacing			
Size	300	400	450	500
43x43	990	860	810	770
68x44	1580	1370	1290	1220
88x44	2050	1770	1670	1580
120x44	2790	2420	2280	2160
138x44	3140	2780	2620	2480

Commercial deck load

Single span				
Maximum span				
	Deck joist spacing			
Size	300	400	450	500
43x43	740	670	650	620
68x44	1180	1070	1030	990
88x44	1530	1390	1330	1290
120x44	2080	1890	1820	1750
138x44	2390	2170	2090	2020

Continuous across 2 or more spans				
Maximum span				
	Deck joist spacing			
Size	300	400	450	500
43x43	830	750	730	700
68x44	1320	1200	1160	1120
88x44	1710	1560	1500	1440
120x44	2340	2120	2040	1970
138x44	2690	2440	2350	2260

Notes
1 SG8 grade timber used (refer to NZS3604)
2 Timber treatment H3.2 (wet in service)
3 Deck supporting up to 25mm thick timber decking
4 Domestic live load is 2.0kPa
5 Commercial live load taken as 4.0kPa (refer AS/NZS1170, table 3.1 C3)