

POSTS

WIND CLASSIFICATION

N3

SHEET ROOF 40KG

POST HEIGHT (mm)	POST SPACING	ROOF LOAD ONLY							
		RAFTER RLW (mm)							
		1.5	2.4	3.3	4.2	5.1	6	6.9	7.8
		MAXIMUM VERANDAH BEAM SPAN (m)							
2400	1800	90x90	90x90	90x90	90x90	90x90	90x90	90x90	90x90
	3000	90x90	90x90	90x90	90x90	90x90	115x115	115x115	115x115
	4200	90x90	90x90	90x90	115x115	115x115	115x115	115x115	140x140
	5400	90x90	90x90	115x115	115x115	115x115	140x140	140x140	140x140
	6600	90x90	90x90	115x115	115x115	140x140	140x140	140x140	190x190
3000	1800	90x90	90x90	90x90	90x90	90x90	90x90	90x90	115x115
	3000	90x90	90x90	90x90	115x115	115x115	115x115	115x115	115x115
	4200	90x90	90x90	115x115	115x115	115x115	115x115	140x140	140x140
	5400	90x90	115x115	115x115	115x115	140x140	140x140	140x140	140x140
	6600	90x90	115x115	115x115	140x140	140x140	140x140	140x140	190x190
3600	1800	90x90	90x90	90x90	90x90	115x115	115x115	115x115	115x115
	3000	90x90	90x90	115x115	115x115	115x115	115x115	140x140	140x140
	4200	90x90	115x115	115x115	115x115	140x140	140x140	140x140	140x140
	5400	90x90	115x115	115x115	140x140	140x140	140x140	190x190	190x190
	6600	115x115	115x115	140x140	140x140	140x140	190x190	190x190	190x190
4200	1800	90x90	90x90	90x90	115x115	115x115	115x115	115x115	140x140
	3000	90x90	115x115	115x115	115x115	140x140	140x140	140x140	140x140
	4200	90x90	115x115	115x115	140x140	140x140	140x140	190x190	190x190
	5400	115x115	115x115	140x140	140x140	190x190	190x190	190x190	190x190
	6600	115x115	140x140	140x140	190x190	190x190	190x190	190x190	190x190

ECCENTRICITY POST/2

POSTS

WIND CLASSIFICATION

N3

TILED ROOF 90KG

SECTION D X B (mm)	POST SPACING	ROOF LOAD ONLY							
		RAFTER RLW (mm)							
		1.5	2.4	3.3	4.2	5.1	6	6.9	7.8
		MAXIMUM VERANDAH BEAM SPAN (m)							
2400	1800	90x90	90x90	115x115	115x115	115x115	115x115	115x115	115x115
	3000	90x90	90x90	115x115	115x115	140x140	140x140	140x140	140x140
	4200	90x90	115x115	115x115	140x140	140x140	140x140	190x190	190x190
	5400	115x115	115x115	140x140	140x140	190x190	190x190	190x190	190x190
	6600	115x115	140x140	140x140	190x190	140x140	190x190	190x190	190x190
3000	1800	90x90	90x90	115x115	115x115	115x115	115x115	140x140	140x140
	3000	90x90	115x115	115x115	140x140	140x140	140x140	140x140	190x190
	4200	115x115	115x115	140x140	140x140	140x140	190x190	190x190	190x190
	5400	115x115	140x140	140x140	190x190	190x190	190x190	190x190	190x190
	6600	115x115	140x140	140x140	190x190	190x190	240x240	240x240	240x240
3600	1800	90x90	115x115	115x115	115x115	140x140	140x140	140x140	140x140
	3000	115x115	115x115	140x140	140x140	140x140	190x190	190x190	190x190
	4200	115x115	140x140	140x140	190x190	190x190	190x190	190x190	190x190
	5400	115x115	140x140	190x190	190x190	190x190	190x190	190x190	240x240
	6600	140x140	190x190	190x190	190x190	190x190	240x240	240x240	240x240
4200	1800	90x90	115x115	115x115	140x140	140x140	140x140	190x190	190x190
	3000	115x115	140x140	140x140	190x190	190x190	190x190	190x190	190x190
	4200	140x140	140x140	190x190	190x190	190x190	190x190	240x240	240x240
	5400	140x140	190x190	190x190	190x190	190x190	240x240	240x240	240x240
	6600	190x190	190x190	190x190	190x190	240x240	240x240	240x240	240x240

Lintels supporting roof and floor loads

WIND CLASSIFICATION n3

SHEET ROOF

SECTION D X B (mm)	FLW = 1.2					FLW = 2.1					FLW = 3.0				
	RAFTER RLW (mm)														
	1.8	3	4.2	5.4	6.6	1.8	3	4.2	5.4	6.6	1.8	3	4.2	5.4	6.6
	MAXIMUM SINGLE LINTEL SPAN (m)														
140x45	1.7	1.6	1.6	1.4	1.3	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1	1.1	
190x45	2.3	2.1	2.0	1.9	1.8	1.9	1.8	1.7	1.7	1.6	1.6	1.6	1.5	1.4	
240x45	2.7	2.6	2.5	2.3	2.1	2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.8	1.8	
290x45	3.2	3.0	2.8	2.5	2.3	2.6	2.5	2.4	2.4	2.3	2.3	2.2	2.1	2.1	
190x63	2.7	2.6	2.5	2.3	2.1	2.3	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.8	
240x63	3.5	3.3	3.1	2.9	2.7	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.3	
290x63	4.2	4.0	3.8	3.5	3.2	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.8	2.8	
2/140x45	2.4	2.3	2.2	2.0	1.9	2.0	1.9	1.9	1.8	1.7	1.7	1.7	1.6	1.6	
2/190x45	3.2	3.0	2.9	2.7	2.5	2.6	2.5	2.4	2.4	2.3	2.3	2.2	2.1	2.1	
2/240x45	3.8	3.6	3.5	3.2	3.0	3.2	3.1	3.0	2.9	2.8	2.7	2.7	2.6	2.5	
2/290x45	4.5	4.2	3.9	3.5	3.3	3.7	3.6	3.4	3.3	3.2	3.2	3.1	3.0	2.9	

TILE ROOF

SECTION D X B (mm)	FLW = 1.2					FLW = 2.1					FLW = 3.0				
	RAFTER RLW (mm)														
	1.8	3	4.2	5.4	6.6	1.8	3	4.2	5.4	6.6	1.8	3	4.2	5.4	6.6
	MAXIMUM SINGLE LINTEL SPAN (m)														
140x45	1.6	1.4	1.2	1.1	1.1	1.3	1.2	1.2	1.1	1.0	1.2	1.1	1.0	1.0	1.0
190x45	2.0	1.8	1.7	1.5	1.4	1.7	1.6	1.5	1.4	1.3	1.5	1.4	1.4	1.3	1.3
240x45	2.5	2.2	2.0	1.9	1.7	2.1	2.0	1.8	1.7	1.6	1.9	1.8	1.7	1.6	1.5
290x45	2.9	2.6	2.4	2.2	2.0	2.4	2.3	2.1	2.0	1.9	2.2	2.0	1.9	1.9	1.8
190x63	2.5	2.2	2.0	1.8	1.7	2.1	2.0	1.8	1.7	1.6	1.9	1.8	1.7	1.6	1.5
240x63	3.2	2.8	2.5	2.3	2.2	2.7	2.5	2.3	2.2	2.0	2.3	2.2	2.1	2.0	1.9
290x63	3.8	3.4	3.0	2.8	2.6	3.2	3.0	2.8	2.6	2.5	2.8	2.7	2.6	2.4	2.3
2/140x45	2.2	1.9	1.8	1.6	1.5	1.9	1.7	1.6	1.5	1.4	1.6	1.6	1.5	1.4	1.3
2/190x45	2.9	2.6	2.3	2.2	2.0	2.4	2.3	2.1	2.0	1.9	2.2	2.0	1.9	1.9	1.8
2/240x45	3.5	3.1	2.8	2.6	2.4	3.0	2.8	2.6	2.5	2.3	2.6	2.5	2.4	2.2	2.2
2/290x45	4.0	3.7	3.3	3.1	2.8	3.4	3.2	3.0	2.8	2.7	3.0	2.9	2.7	2.6	2.5

LINTELS 40 kg
WIND CLASSIFICATION N2
trusses or rafters at 1200 cts max

SECTION D X B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	2.6	2.4	2.0	1.7	1.4	1.2	1.1	1.0	0.9	0.8	0.7
190 x 45	3.3	3.0	2.7	2.5	2.3	2.0	1.8	1.6	1.5	1.3	1.2
240 x 45	4.0	3.6	3.3	2.9	2.6	2.5	2.3	2.1	1.9	1.7	1.6
290 x 45	4.6	4.2	3.6	3.2	2.9	2.7	2.5	2.4	2.2	2.0	1.9
190 x 63	3.6	3.3	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.6
240 x 63	4.3	3.9	3.6	3.4	3.2	3.0	2.8	2.7	2.5	2.4	2.3
290 x 63	5.0	4.5	4.2	3.9	3.7	3.6	3.4	3.2	3.0	2.9	2.7
2/140 X 45	3.1	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3
2/190 x 45	3.9	3.6	3.3	3.1	2.9	2.8	2.7	2.6	2.4	2.3	2.1
2/240 x 45	4.7	4.2	3.9	3.7	3.5	3.4	3.1	2.9	2.8	2.7	2.5
2/290 x 45	5.3	4.9	4.6	4.3	4.1	3.8	3.5	3.2	3.1	2.9	2.8
2/190 x 63	4.2	3.8	3.6	3.4	3.2	3.0	2.9	2.8	2.7	2.6	2.6
2/240 x 63	5.0	4.6	4.3	4.0	3.8	3.7	3.5	3.4	3.3	3.2	3.1
2/.290 x 63	5.7	5.2	4.9	4.7	4.4	4.2	4.1	3.9	3.8	3.7	3.6

LINTELS 90 kg
WIND CLASSIFICATION N2
trusses or rafters at 600 cts max

SECTION D X B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	2.0	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	0.9
190 x 45	2.7	2.4	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3
240 x 45	3.3	2.9	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.7	1.6
290 x 45	3.8	3.5	3.2	3.0	2.8	2.6	2.4	2.2	2.1	2.0	1.9
190 x 63	3.0	2.6	2.4	2.2	2.1	1.9	1.8	1.8	1.7	1.6	1.6
240 x 63	3.6	3.3	3.0	2.8	2.6	2.5	2.4	2.3	2.2	2.1	2.0
290 x 63	4.2	3.8	3.5	3.3	3.1	3.0	2.8	2.7	2.6	2.5	2.5
2/140 X 45	2.5	2.2	2.0	1.8	1.7	1.6	1.5	1.5	1.4	1.4	1.4
2/190 x 45	3.3	2.9	2.7	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.8
2/240 x 45	3.9	3.6	3.3	3.1	2.9	2.8	2.6	2.5	2.5	2.4	2.3
2/290 x 45	4.5	4.1	3.8	3.6	3.5	3.3	3.2	3.0	2.9	2.8	2.7
2/190 x 63	3.6	3.3	3.0	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0
2/240 x 63	4.2	3.9	3.6	3.4	3.2	3.1	2.9	2.8	2.7	2.6	2.6
2/.290 x 63	4.9	4.4	4.1	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.1

lintel 40 kg
WIND CLASSIFICATION n3
trusses or rafters at 1200 cts max

SECTION D X B (mm)	SINGLE SPAN											
	ROOF LOAD WIDTH 'RLW' (mm)											
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	
	MAXIMUM SPAN (m)											
140 X 45	2.6	2.2	1.7	1.4	1.2	1.0	0.9	0.8	0.7	0.7	0.7	0.6
190 x 45	3.3	2.9	2.6	2.3	2.0	1.7	1.5	1.4	1.2	1.1	1.1	1.1
240 x 45	4.0	3.5	3.0	2.7	2.5	2.2	2.0	1.8	1.6	1.5	1.5	1.4
290 x 45	4.6	3.8	3.3	2.9	2.7	2.5	2.3	2.1	1.9	1.8	1.8	1.6
190 x 63	3.6	3.3	3.0	2.7	2.5	2.2	2.0	1.8	1.6	1.5	1.5	1.4
240 x 63	4.3	3.9	3.6	3.3	3.0	2.8	2.6	2.5	2.4	2.2	2.2	2.0
290 x 63	5.0	4.5	4.2	3.9	3.7	3.4	3.1	2.9	2.8	2.7	2.7	2.5
2/140 X 45	3.1	2.8	2.6	2.4	2.1	1.8	1.6	1.5	1.3	1.2	1.2	1.1
2/190 x 45	3.9	3.6	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0	2.0	1.9
2/240 x 45	4.7	4.2	3.9	3.7	3.4	3.1	2.9	2.7	2.6	2.5	2.5	2.4
2/290 x 45	5.3	4.9	4.6	4.2	3.8	3.4	3.2	3.0	2.8	2.7	2.7	2.6
2/190 x 63	4.2	3.8	3.6	3.4	3.2	3.0	2.9	2.7	2.6	2.5	2.5	2.4
2/240 x 63	5.0	4.6	4.3	4.0	3.8	3.7	3.5	3.4	3.2	3.1	3.1	2.9
2/.290 x 63	5.7	5.2	4.9	4.7	4.4	4.2	4.1	3.9	3.8	3.7	3.7	3.5

lintel 90 kg
WIND CLASSIFICATION n3
trusses or rafters at 600 cts max

SECTION D X B (mm)	SINGLE SPAN											
	ROOF LOAD WIDTH 'RLW' (mm)											
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	
	MAXIMUM SPAN (m)											
140 X 45	2.0	1.7	1.6	1.5	1.3	1.3	1.2	1.1	1.0	0.9	0.9	0.8
190 x 45	2.7	2.4	2.1	1.9	1.8	1.6	1.5	1.4	1.4	1.3	1.3	1.3
240 x 45	3.3	2.9	2.7	2.5	2.3	2.1	1.9	1.8	1.7	1.6	1.6	1.5
290 x 45	3.8	3.5	3.2	2.8	2.6	2.4	2.2	2.1	1.9	1.8	1.8	1.7
190 x 63	3.0	2.6	2.4	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.5	1.5
240 x 63	3.6	3.3	3.0	2.8	2.6	2.5	2.4	2.2	2.1	2.0	2.0	1.9
290 x 63	4.2	3.8	3.5	3.3	3.1	3.0	2.8	2.7	2.6	2.4	2.4	2.3
2/140 X 45	2.5	2.2	2.0	1.8	1.7	1.6	1.5	1.5	1.4	1.4	1.4	1.3
2/190 x 45	3.3	2.9	2.7	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.8	1.8
2/240 x 45	3.9	3.6	3.3	3.1	2.9	2.8	2.6	2.5	2.5	2.4	2.4	2.2
2/290 x 45	4.5	4.1	3.8	3.6	3.5	3.3	3.2	3.0	2.8	2.7	2.7	2.5
2/190 x 63	3.6	3.3	3.0	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.1	2.0
2/240 x 63	4.2	3.9	3.6	3.4	3.2	3.1	2.9	2.8	2.7	2.6	2.6	2.6
2/.290 x 63	4.9	4.4	4.1	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.2	3.1

WIND CLASSIFICATION N3

SHEET ROOF

SECTION D X B (mm)	FLW = 1.2					FLW = 2.1					FLW = 3.0				
	RAFTER RLW (mm)														
	1.8	3	4.2	5.4	6.6	1.8	3	4.2	5.4	6.6	1.8	3	4.2	5.4	6.6
	MAXIMUM SINGLE BEARER SPAN (m)														
140x45	1.6	1.5	1.4	1.4	1.3	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1
190x45	2.1	2.0	1.9	1.9	1.8	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.5	1.5
240x45	2.7	2.6	2.5	2.4	2.2	2.4	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.9
290x45	3.3	3.1	3.0	2.7	2.5	2.9	2.8	2.7	2.6	2.4	2.5	2.4	2.4	2.3	2.3
190x63	2.4	2.3	2.2	2.1	2.0	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8
240x63	3.0	2.9	2.7	2.6	2.5	2.8	2.6	2.5	2.5	2.4	2.5	2.4	2.3	2.3	2.2
290x63	3.6	3.5	3.3	3.2	3.1	3.3	3.2	3.1	3.0	2.9	3.0	2.9	2.8	2.8	2.7
2/140x45	2.0	1.9	1.8	1.7	1.7	1.8	1.7	1.7	1.6	1.6	1.7	1.6	1.6	1.5	1.5
2/190x45	2.7	2.6	2.4	2.3	2.3	2.5	2.4	2.3	2.2	2.1	2.3	2.2	2.1	2.1	2.0
2/240x45	3.4	3.2	3.1	3.0	2.8	3.1	3.0	2.9	2.8	2.7	2.9	2.8	2.7	2.6	2.6
2/290x45	4.0	3.8	3.7	3.6	3.4	3.7	3.6	3.5	3.3	3.2	3.5	3.3	3.2	3.2	3.1
MAXIMUM CONTINUOUS BEARER SPAN (m)															
140x45	1.7	1.6	1.6	1.4	1.3	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1
190x45	2.3	2.2	2.1	1.9	1.8	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.5	1.5
240x45	2.9	2.8	2.7	2.4	2.2	2.4	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.9
290x45	3.5	3.4	3.0	2.7	2.5	2.9	2.8	2.7	2.6	2.4	2.5	2.4	2.4	2.3	2.3
190x63	2.7	2.6	2.5	2.3	2.1	2.3	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8
240x63	3.5	3.3	3.1	2.9	2.7	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.3	2.2
290x63	4.2	4.0	3.8	3.5	3.2	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.8	2.8	2.7
2/140x45	2.4	2.3	2.2	2.0	1.9	2.0	1.9	1.9	1.8	1.7	1.7	1.7	1.6	1.6	1.6
2/190x45	3.3	3.1	3.0	2.7	2.5	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.2	2.2	2.1
2/240x45	4.1	3.9	3.7	3.4	3.1	3.4	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.7
2/290x45	4.9	4.7	4.2	3.8	3.5	4.1	3.9	3.8	3.7	3.5	3.5	3.4	3.4	3.3	3.2

TILE ROOF

SECTION D X B (mm)	FLW = 1.2					FLW = 2.1					FLW = 3.0				
	RAFTER RLW (mm)														
	1.8	3	4.2	5.4	6.6	1.8	3	4.2	5.4	6.6	1.8	3	4.2	5.4	6.6
	MAXIMUM SINGLE BEARER SPAN (m)														
140x45	1.4	1.3	1.2	1.1	1.1	1.3	1.2	1.2	1.1	1.0	1.2	1.1	1.0	1.0	1.0
190x45	2.0	1.8	1.7	1.6	1.4	1.8	1.7	1.6	1.5	1.4	1.6	1.5	1.4	1.4	1.3
240x45	2.5	2.3	2.1	2.0	1.8	2.3	2.1	2.0	1.8	1.7	2.0	1.9	1.8	1.7	1.6
290x45	3.0	2.7	2.5	2.4	2.2	2.7	2.5	2.4	2.2	2.1	2.4	2.3	2.2	2.1	2.0
190x63	2.2	2.0	1.9	1.8	1.7	2.0	1.9	1.8	1.7	1.6	1.9	1.8	1.7	1.6	1.5
240x63	2.8	2.5	2.4	2.2	2.1	2.6	2.4	2.2	2.1	2.0	2.3	2.2	2.1	2.0	1.9
290x63	3.3	3.0	2.8	2.7	2.6	3.1	2.9	2.7	2.6	2.5	2.8	2.7	2.6	2.4	2.3
2/140x45	1.8	1.7	1.5	1.5	1.4	1.7	1.6	1.5	1.4	1.3	1.6	1.5	1.4	1.4	1.3
2/190x45	2.5	2.2	2.1	2.0	1.9	2.3	2.1	2.0	1.9	1.8	2.1	2.0	1.9	1.8	1.8
2/240x45	3.1	2.8	2.6	2.5	2.4	2.9	2.7	2.5	2.4	2.3	2.7	2.5	2.4	2.3	2.2
2/290x45	3.7	3.4	3.2	3.0	2.9	3.5	3.2	3.0	2.9	2.8	3.3	3.1	2.9	2.8	2.7
	MAXIMUM CONTINUOUS BEARER SPAN (m)														
140x45	1.6	1.4	1.2	1.1	1.1	1.3	1.2	1.2	1.1	1.0	1.2	1.1	1.0	1.0	1.0
190x45	2.1	1.9	1.7	1.6	1.4	1.8	1.7	1.6	1.5	1.4	1.6	1.5	1.4	1.4	1.3
240x45	2.7	2.4	2.1	2.0	1.8	2.3	2.1	2.0	1.8	1.7	2.0	1.9	1.8	1.7	1.6
290x45	3.2	2.8	2.6	2.4	2.2	2.7	2.5	2.4	2.2	2.1	2.4	2.3	2.2	2.1	2.0
190x63	2.5	2.2	2.0	1.8	1.7	2.1	2.0	1.8	1.7	1.6	1.9	1.8	1.7	1.6	1.5
240x63	3.2	2.8	2.5	2.3	2.2	2.7	2.5	2.3	2.2	2.0	2.3	2.2	2.1	2.0	1.9
290x63	3.8	3.4	3.0	2.8	2.6	3.2	3.0	2.8	2.6	2.5	2.8	2.7	2.6	2.4	2.3
2/140x45	2.2	1.9	1.8	1.6	1.5	1.9	1.7	1.6	1.5	1.4	1.6	1.6	1.5	1.4	1.3
2/190x45	3.0	2.6	2.4	2.2	2.0	2.5	2.4	2.2	2.1	1.9	2.2	2.1	2.0	1.9	1.8
2/240x45	3.8	3.3	3.0	2.8	2.6	3.2	3.0	2.8	2.6	2.4	2.8	2.7	2.5	2.4	2.3
2/290x45	4.5	4.0	3.6	3.3	3.0	3.8	3.6	3.4	3.1	2.9	3.4	3.2	3.1	2.9	2.8

garage pitching 40 kg

WIND CLASSIFICATION n3

trusses or rafters at 1200 cts max

SECTION D X B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	2.7	2.4	2.0	1.8	1.6	1.5	1.4	1.3	1.3	1.2	1.1
190 x 45	3.7	3.2	2.8	2.5	2.3	2.1	1.9	1.8	1.7	1.6	1.5
240 x 45	4.6	4.0	3.5	3.1	2.8	2.6	2.4	2.3	2.1	2.0	1.9
290 x 45	5.2	4.6	4.0	3.6	3.2	2.9	2.7	2.6	2.4	2.3	2.2
190 x 63	4.0	3.6	3.2	2.9	2.7	2.5	2.3	2.1	2.0	1.9	1.8
240 x 63	4.9	4.4	4.0	3.7	3.4	3.1	2.9	2.7	2.6	2.5	2.3
290 x 63	5.6	5.1	4.8	4.5	4.1	3.8	3.5	3.3	3.1	2.9	2.8
2/140 X 45	3.3	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.7	1.6	1.6
2/190 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.7	2.6	2.4	2.3	2.2
2/240 x 45	5.3	4.8	4.5	4.2	3.9	3.7	3.4	3.2	3.0	2.9	2.7
2/290 x 45	6.1	5.5	5.2	4.9	4.5	4.2	3.9	3.7	3.4	3.2	3.1
2/190 x 63	4.8	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.8	2.7	2.6
2/240 x 63	5.7	5.2	4.9	4.6	4.3	4.1	3.9	3.7	3.6	3.5	3.3
2/.290 x 63	6.5	5.9	5.6	5.3	5.0	4.8	4.7	4.5	4.3	4.2	4.0

SECTION D X B (mm)	CONTINUOUS SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	3.3	2.7	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.9	0.8
190 x 45	4.3	3.5	3.0	2.7	2.5	2.1	2.0	1.9	1.7	1.6	1.5
240 x 45	5.3	4.3	3.7	3.2	2.9	2.7	2.5	2.2	2.0	1.9	1.9
290 x 45	6.2	5.0	4.2	3.8	3.4	3.1	2.9	2.7	2.6	2.4	2.1
190 x 63	5.1	4.3	3.8	3.3	2.9	2.8	2.6	2.3	2.1	1.9	1.9
240 x 63	6.0	5.5	4.9	4.2	3.9	3.5	3.2	3.0	2.8	2.7	2.6
290 x 63	7.0	6.3	5.8	5.1	4.6	4.2	4.0	3.7	3.4	3.2	3.0
2/140 X 45	4.4	3.8	3.3	2.9	2.7	2.4	2.1	1.9	1.9	1.7	1.6
2/190 x 45	5.5	5.0	4.3	3.9	3.4	3.2	2.9	2.8	2.6	2.5	2.3
2/240 x 45	6.5	5.9	5.2	4.8	4.2	3.9	3.6	3.3	3.1	2.9	2.8
2/290 x 45	7.5	6.8	6.1	5.4	4.9	4.4	4.1	3.9	3.7	3.4	3.3
2/190 x 63	5.9	5.4	5.1	4.8	4.2	4.0	3.7	3.4	3.2	3.0	2.8
2/240 x 63	7.0	6.4	6.0	5.6	5.4	5.0	4.7	4.3	4.1	3.9	3.7
2/.290 x 63	8.0	7.3	6.9	6.4	6.2	5.9	5.6	5.2	4.9	4.7	4.3

garage pitching 90 kg

WIND CLASSIFICATION n3

trusses or rafters at 600 cts max

SECTION D X B (mm)	SINGLE SPAN											
	ROOF LOAD WIDTH 'RLW' (mm)											
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	
MAXIMUM SPAN (m)												
140 X 45	2.1	1.8	1.6	1.5	1.3	1.3	1.2	1.1	1.0	0.9	0.8	
190 x 45	2.8	2.5	2.3	2.0	1.8	1.6	1.5	1.4	1.4	1.3	1.3	
240 x 45	3.6	3.1	2.8	2.5	2.3	2.1	1.9	1.8	1.7	1.6	1.5	
290 x 45	4.3	3.7	3.2	2.8	2.6	2.4	2.2	2.1	1.9	1.8	1.7	
190 x 63	3.2	2.8	2.5	2.4	2.2	2.0	1.8	1.7	1.6	1.5	1.5	
240 x 63	4.0	3.5	3.2	2.9	2.8	2.6	2.4	2.2	2.1	2.0	1.9	
290 x 63	4.7	4.2	3.8	3.6	3.3	3.1	2.9	2.7	2.6	2.4	2.3	
2/140 X 45	2.6	2.3	2.1	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3	
2/190 x 45	3.6	3.1	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.8	1.8	
2/240 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.8	2.6	2.5	2.4	2.2	
2/290 x 45	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0	2.8	2.7	2.5	
2/190 x 63	3.9	3.5	3.1	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1	
2/240 x 63	4.8	4.3	4.0	3.7	3.5	3.3	3.1	3.0	2.9	2.8	2.7	
2/.290 x 63	5.5	5.0	4.7	4.4	4.2	3.9	3.8	3.6	3.5	3.4	3.3	

SECTION D X B (mm)	CONTINUOUS SPAN											
	ROOF LOAD WIDTH 'RLW' (mm)											
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	
MAXIMUM SPAN (m)												
140 X 45	2.7	2.2	1.8	1.6	1.5	1.4	1.3	1.3	1.1	1.0	0.9	
190 x 45	3.6	2.9	2.6	2.3	2.0	1.9	1.7	1.6	1.5	1.5	1.2	
240 x 45	4.4	3.7	3.2	2.8	2.6	2.4	2.2	2.1	1.9	1.8	1.7	
290 x 45	5.0	4.2	3.7	3.4	3.1	2.9	2.7	2.5	2.4	2.3	2.1	
190 x 63	4.2	3.5	3.0	2.7	2.5	2.3	2.1	1.9	1.8	1.7	1.6	
240 x 63	5.1	4.4	3.8	3.4	3.0	2.8	2.6	2.5	2.4	2.2	2.1	
290 x 63	5.8	5.2	4.6	4.1	3.7	3.4	3.2	2.9	2.8	2.7	2.6	
2/140 X 45	3.5	3.0	2.6	2.4	2.1	1.9	1.8	1.7	1.6	1.5	1.5	
2/190 x 45	4.6	4.1	3.6	3.2	2.9	2.7	2.5	2.4	2.2	2.1	2.0	
2/240 x 45	5.5	4.9	4.3	3.9	3.6	3.4	3.1	2.9	2.8	2.6	2.5	
2/290 x 45	6.3	5.5	4.9	4.5	4.1	3.9	3.7	3.4	3.3	3.1	3.0	
2/190 x 63	5.0	4.5	4.1	3.8	3.4	3.1	2.9	2.7	2.6	2.5	2.4	
2/240 x 63	6.0	5.4	5.0	4.7	4.3	4.0	3.7	3.5	3.3	3.1	2.9	
2/.290 x 63	6.8	6.2	5.8	5.5	5.2	4.8	4.4	4.2	3.9	3.8	3.6	

garage pitching 40 kg

WIND CLASSIFICATION N2

trusses or rafters at 1200 cts max

SECTION D X B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	2.7	2.4	2.1	1.9	1.8	1.6	1.5	1.4	1.4	1.3	1.3
190 x 45	3.7	3.2	2.9	2.7	2.5	2.3	2.1	2.0	1.8	1.7	1.6
240 x 45	4.6	4.0	3.6	3.4	3.1	2.9	2.7	2.5	2.4	2.2	2.1
290 x 45	5.2	4.8	4.4	3.9	3.6	3.3	3.0	2.8	2.7	2.5	2.4
190 x 63	4.0	3.6	3.2	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0
240 x 63	4.9	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.8	2.7	2.6
290 x 63	5.6	5.1	4.8	4.5	4.2	4.0	3.8	3.6	3.4	3.2	3.1
2/140 X 45	3.3	2.9	2.7	2.5	2.3	2.2	2.0	1.9	1.9	1.8	1.7
2/190 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.8	2.7	2.6	2.5	2.4
2/240 x 45	5.3	4.8	4.5	4.2	3.9	3.7	3.5	3.4	3.2	3.1	3.0
2/290 x 45	6.1	5.5	5.2	4.9	4.7	4.4	4.2	4.0	3.8	3.6	3.4
2/190 x 63	4.8	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.8	2.7	2.6
2/240 x 63	5.7	5.2	4.9	4.6	4.3	4.1	3.9	3.7	3.6	3.5	3.3
2/.290 x 63	6.5	5.9	5.6	5.3	5.0	4.8	4.7	4.5	4.3	4.2	4.0

SECTION D X B (mm)	CONTINUOUS SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	3.5	2.9	2.5	2.0	1.9	1.7	1.5	1.4	1.3	1.1	1.0
190 x 45	4.7	3.9	3.3	2.9	2.7	2.5	2.1	2.0	1.9	1.8	1.7
240 x 45	5.6	4.8	4.0	3.5	3.2	2.9	2.7	2.5	2.3	2.1	2.0
290 x 45	6.4	5.4	4.7	4.1	3.7	3.4	3.1	2.9	2.8	2.6	2.5
190 x 63	5.1	4.6	4.1	3.6	3.2	2.9	2.8	2.6	2.4	2.1	2.0
240 x 63	6.0	5.5	5.1	4.6	4.1	3.8	3.5	3.2	3.0	2.9	2.8
290 x 63	7.0	6.3	5.8	5.5	5.0	4.5	4.2	4.0	3.7	3.5	3.3
2/140 X 45	4.4	3.8	3.5	3.1	2.8	2.6	2.4	2.1	2.0	1.9	1.8
2/190 x 45	5.5	5.0	4.7	4.1	3.8	3.4	3.2	2.9	2.8	2.7	2.5
2/240 x 45	6.5	5.9	5.5	5.0	4.5	4.1	3.9	3.6	3.3	3.2	3.0
2/290 x 45	7.5	6.8	6.4	5.9	5.2	4.9	4.4	4.1	4.0	3.7	3.5
2/190 x 63	5.9	5.4	5.1	4.8	4.6	4.2	4.0	3.7	3.4	3.2	3.0
2/240 x 63	7.0	6.4	6.0	5.6	5.4	5.2	5.0	4.7	4.3	4.1	3.9
2/.290 x 63	8.0	7.3	6.9	6.4	6.2	5.9	5.7	5.5	5.2	5.0	4.8

garage pitching 90 kg

WIND CLASSIFICATION N2

trusses or rafters at 600 cts max

SECTION D X B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
MAXIMUM SPAN (m)											
140 X 45	2.1	1.8	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	0.9
190 x 45	2.8	2.5	2.3	2.1	1.9	1.8	1.6	1.5	1.5	1.4	1.3
240 x 45	3.6	3.1	2.8	2.6	2.5	2.3	2.1	1.9	1.8	1.7	1.6
290 x 45	4.3	3.8	3.5	3.0	2.8	2.6	2.4	2.2	2.1	2.0	1.9
190 x 63	3.2	2.8	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.6	1.6
240 x 63	4.0	3.5	3.2	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0
290 x 63	4.7	4.2	3.8	3.6	3.3	3.1	3.0	2.9	2.7	2.6	2.5
2/140 X 45	2.6	2.3	2.1	1.9	1.8	1.7	1.6	1.6	1.5	1.4	1.4
2/190 x 45	3.6	3.1	2.8	2.6	2.5	2.4	2.2	2.1	2.0	2.0	1.9
2/240 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.8	2.7	2.6	2.5	2.4
2/290 x 45	5.1	4.7	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.7
2/190 x 63	3.9	3.5	3.1	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1
2/240 x 63	4.8	4.3	4.0	3.7	3.5	3.3	3.1	3.0	2.9	2.8	2.7
2/.290 x 63	5.5	5.0	4.7	4.4	4.2	3.9	3.8	3.6	3.5	3.4	3.3

SECTION D X B (mm)	CONTINUOUS SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
MAXIMUM SPAN (m)											
140 X 45	2.7	2.2	1.8	1.6	1.5	1.4	1.3	1.3	1.1	1.0	0.9
190 x 45	3.6	2.9	2.6	2.3	2.0	1.9	1.7	1.6	1.5	1.5	1.2
240 x 45	4.4	3.7	3.2	2.8	2.6	2.4	2.2	2.1	1.9	1.8	1.7
290 x 45	5.0	4.2	3.7	3.4	3.1	2.9	2.7	2.5	2.4	2.3	2.1
190 x 63	4.2	3.5	3.0	2.7	2.5	2.3	2.1	1.9	1.8	1.7	1.6
240 x 63	5.1	4.4	3.8	3.4	3.0	2.8	2.6	2.5	2.4	2.2	2.1
290 x 63	5.8	5.2	4.6	4.1	3.7	3.4	3.2	2.9	2.8	2.7	2.6
2/140 X 45	3.5	3.0	2.6	2.4	2.1	1.9	1.8	1.7	1.6	1.5	1.5
2/190 x 45	4.6	4.1	3.6	3.2	2.9	2.7	2.5	2.4	2.2	2.1	2.0
2/240 x 45	5.5	4.9	4.3	3.9	3.6	3.4	3.1	2.9	2.8	2.6	2.5
2/290 x 45	6.3	5.5	4.9	4.5	4.1	3.9	3.7	3.4	3.3	3.1	3.0
2/190 x 63	5.0	4.5	4.1	3.8	3.4	3.1	2.9	2.7	2.6	2.5	2.4
2/240 x 63	6.0	5.4	5.0	4.7	4.3	4.0	3.7	3.5	3.3	3.1	2.9
2/.290 x 63	6.8	6.2	5.8	5.5	5.2	4.8	4.4	4.2	3.9	3.8	3.6

RAFTERS

WIND CLASSIFICATION

N2

RESTRAINT 1200 TOP & SPAN BOTTOM

SECTION D X B (mm)	ROOF MASS kg/m ²	SINGLE SPAN				CONTINUOUS SPAN			
		RAFTER SPACING (mm)							
		450	600	900	1200	450	600	900	1200
		MAXIMUM RAFTER SPAN (m)							
90 x 45	10	3.5	3.3	2.4	2.0	4.6	4.0	3.2	2.6
	20	3.0	2.7	2.4	1.9	4.0	3.7	3.2	2.6
	30	2.6	2.4	2.1	1.8	3.5	3.2	2.9	2.6
	40	2.4	2.2	2.0	1.7	3.2	3.0	2.6	2.4
	60	2.1	2.0	1.7	1.6	2.9	2.6	2.3	2.0
	90	1.9	1.7	1.5	1.4	2.5	2.3	2.0	1.8
140 x 45	10	5.2	4.9	4.5	4.1	6.7	6.2	5.0	4.3
	20	4.5	4.1	3.7	3.4	6.0	5.5	4.9	4.3
	30	4.0	3.7	3.3	3.0	5.4	5.0	4.4	4.0
	40	3.7	3.4	3.0	2.8	5.0	4.6	4.0	3.7
	60	3.3	3.0	2.7	2.4	4.4	4.0	3.6	3.3
	90	2.9	2.7	2.3	2.1	3.9	3.6	3.1	2.7
190 x 45	10	6.5	6.3	5.9	5.5	8.2	7.8	6.9	5.9
	20	5.9	5.5	4.9	4.6	7.4	7.0	6.5	5.7
	30	5.3	4.9	4.4	4.1	6.8	6.5	5.9	5.4
	40	4.9	4.6	4.1	3.7	6.5	6.1	5.4	5.0
	60	4.4	4.1	3.6	3.3	5.9	5.4	4.8	4.4
	90	3.9	3.6	3.2	2.9	5.2	4.8	4.2	3.7
240 x 45	10	7.6	7.3	6.9	6.6	9.4	9.1	8.2	7.0
	20	6.9	6.6	6.1	5.7	8.6	8.2	7.6	6.7
	30	6.4	6.1	5.5	5.1	8.0	7.6	7.0	6.3
	40	6.1	5.7	5.1	4.7	7.6	7.2	6.6	6.0
	60	5.5	5.1	4.5	4.1	7.0	6.6	5.8	5.2
	90	4.9	4.5	4.0	3.6	6.4	5.8	5.0	4.4
290 x 45	10	8.5	8.2	7.8	7.5	10.6	10.2	9.3	8.1
	20	7.8	7.5	7.0	6.6	9.7	9.3	8.7	7.6
	30	7.3	7.0	6.4	6.1	9.1	8.7	8.0	7.2
	40	7.0	6.6	6.1	5.6	8.7	8.2	7.5	6.8
	60	6.4	6.1	5.4	5.0	8.0	7.5	6.5	5.9
	90	5.9	5.4	4.8	4.4	7.2	6.5	5.6	5.0
190 x 63	10	6.8	6.6	6.2	5.9	8.5	8.2	7.8	7.1
	20	6.2	5.9	5.4	5.0	7.8	7.4	6.9	6.5
	30	5.8	5.4	4.8	4.5	7.3	6.9	6.4	6.0
	40	5.4	5.0	4.5	4.1	6.9	6.5	6.0	5.5
	60	4.8	4.5	4.0	3.6	6.4	6.0	5.3	4.9
	90	4.3	4.0	3.5	3.2	5.8	5.3	4.7	4.3
240 x 63	10	7.8	7.6	7.2	6.9	9.8	9.5	9.0	8.6
	20	7.2	6.9	6.5	6.2	9.0	8.6	8.1	7.7
	30	6.8	6.5	6.0	5.6	8.5	8.1	7.5	7.1
	40	6.5	6.2	5.6	5.1	8.1	7.7	7.1	6.7
	60	6.0	5.6	5.0	4.6	7.5	7.1	6.5	6.1
	90	5.4	5.0	4.4	4.0	6.9	6.5	5.9	5.4
290 x 63	10	8.8	8.5	8.2	7.8	10.9	10.6	10.2	9.8
	20	8.2	7.8	7.4	7.0	10.2	9.8	9.2	8.7
	30	7.7	7.4	6.9	6.5	9.6	9.2	8.6	8.1
	40	7.4	7.0	6.5	6.1	9.2	8.7	8.1	7.6
	60	6.9	6.5	6.0	5.5	8.6	8.1	7.4	7.0
	90	6.3	6.0	5.3	4.9	7.9	7.4	6.8	6.3

RAFTERS

WIND CLASSIFICATION

N3

RESTRAINT 1200 TOP & SPAN BOTTOM

SECTION D X B (mm)	ROOF MASS kg/m ²	SINGLE SPAN				CONTINUOUS SPAN			
		RAFTER SPACING (mm)							
		450	600	900	1200	450	600	900	1200
		MAXIMUM RAFTER SPAN (m)							
90 x 45	10	3.4	3.1	2.4	2.0	3.6	3.1	2.5	2.2
	20	3.0	2.7	2.4	1.9	3.7	3.2	2.6	2.2
	30	2.6	2.4	2.1	1.8	3.5	3.1	2.6	2.2
	40	2.4	2.2	2.0	1.7	3.2	3.0	2.5	2.1
	60	2.1	2.0	1.7	1.6	2.9	2.6	2.3	2.0
	90	1.9	1.7	1.5	1.4	2.5	2.3	2.0	1.8
140 x 45	10	5.2	4.8	3.9	3.4	5.6	4.8	3.9	3.4
	20	4.5	4.1	3.7	3.4	5.8	5.0	4.1	3.5
	30	4.0	3.7	3.3	3.0	5.4	4.8	4.0	3.5
	40	3.7	3.4	3.0	2.8	5.0	4.6	3.8	3.3
	60	3.3	3.0	2.7	2.4	4.4	4.0	3.5	3.1
	90	2.9	2.7	2.3	2.1	3.9	3.6	3.1	2.7
190 x 45	10	6.5	6.3	5.4	4.6	7.7	6.6	5.4	4.6
	20	5.9	5.5	4.9	4.6	7.4	6.8	5.5	4.8
	30	5.3	4.9	4.4	4.1	6.8	6.5	5.4	4.7
	40	4.9	4.6	4.1	3.7	6.5	6.1	5.1	4.5
	60	4.4	4.1	3.6	3.3	5.9	5.4	4.8	4.1
	90	3.9	3.6	3.2	2.9	5.2	4.8	4.2	3.7
240 x 45	10	7.6	7.3	6.3	5.5	9.1	7.8	6.3	5.5
	20	6.9	6.6	6.1	5.6	8.6	7.9	6.6	5.6
	30	6.4	6.1	5.5	5.1	8.0	7.6	6.3	5.5
	40	6.1	5.7	5.1	4.7	7.6	7.2	6.0	5.2
	60	5.5	5.1	4.5	4.1	7.0	6.6	5.6	4.9
	90	4.9	4.5	4.0	3.6	6.4	5.8	5.0	4.4
290 x 45	10	8.5	8.2	7.0	6.0	10.5	9.0	7.3	6.3
	20	7.8	7.5	7.0	6.2	9.7	9.0	7.5	6.5
	30	7.3	7.0	6.4	6.0	9.1	8.6	7.1	6.2
	40	7.0	6.6	6.1	5.6	8.7	8.2	6.9	6.0
	60	6.4	6.1	5.4	5.0	8.0	7.5	6.4	5.6
	90	5.9	5.4	4.8	4.4	7.2	6.5	5.6	5.0
190 x 63	10	6.8	6.6	6.2	5.5	8.5	7.9	6.4	5.5
	20	6.2	5.9	5.4	5.0	7.8	7.4	6.6	5.7
	30	5.8	5.4	4.8	4.5	7.3	6.9	6.3	5.5
	40	5.4	5.0	4.5	4.1	6.9	6.5	6.0	5.3
	60	4.8	4.5	4.0	3.6	6.4	6.0	5.3	4.9
	90	4.3	4.0	3.5	3.2	5.8	5.3	4.7	4.3
240 x 63	10	7.8	7.6	7.2	6.9	9.8	9.5	8.1	7.0
	20	7.2	6.9	6.5	6.2	9.0	8.6	8.1	7.2
	30	6.8	6.5	6.0	5.6	8.5	8.1	7.5	6.9
	40	6.5	6.2	5.6	5.1	8.1	7.7	7.1	6.6
	60	6.0	5.6	5.0	4.6	7.5	7.1	6.5	6.1
	90	5.4	5.0	4.4	4.0	6.9	6.5	5.9	5.4
290 x 63	10	8.8	8.5	8.2	7.8	10.9	10.6	9.8	8.5
	20	8.2	7.8	7.4	7.0	10.2	9.8	9.2	8.7
	30	7.7	7.4	6.9	6.5	9.6	9.2	8.6	8.1
	40	7.4	7.0	6.5	6.1	9.2	8.7	8.1	7.6
	60	6.9	6.5	6.0	5.5	8.6	8.1	7.4	7.0
	90	6.3	6.0	5.3	4.9	7.9	7.4	6.8	6.3

roof beams 40 kg

WIND CLASSIFICATION N2

RESTRAINT 1200 TOP & SPAN BOTTOM

SECTION D X B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
MAXIMUM SPAN (m)											
140 X 45	2.7	2.4	2.1	2.0	1.8	1.7	1.6	1.6	1.5	1.4	1.4
2/140 x 45	3.3	2.9	2.7	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.8
190 x 45	3.7	3.2	2.9	2.7	2.5	2.3	2.2	2.1	2.0	2.0	1.9
2/190 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.8	2.7	2.6	2.5	2.4
240 x 45	4.6	4.0	3.6	3.4	3.1	3.0	2.8	2.7	2.6	2.4	2.3
2/240 x 45	5.6	4.9	4.5	4.2	3.9	3.7	3.5	3.4	3.2	3.1	3.0
290 x 45	5.5	4.8	4.4	4.0	3.7	3.4	3.2	3.0	2.8	2.7	2.5
2/290 x 45	6.5	5.9	5.4	5.0	4.7	4.4	4.2	4.0	3.9	3.7	3.6
190 x 63	4.0	3.5	3.2	3.0	2.8	2.6	2.5	2.4	2.3	2.2	2.1
2/190 x 63	4.9	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.8	2.7	2.6
240 x 63	5.1	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.9	2.8	2.7
2/240 x 63	6.1	5.4	5.0	4.6	4.3	4.1	3.9	3.7	3.6	3.5	3.3
290 x 63	6.0	5.3	4.9	4.5	4.2	4.0	3.8	3.6	3.5	3.3	3.2
2/290 x 63	6.9	6.4	6.0	5.5	5.2	4.9	4.7	4.5	4.3	4.2	4.0

SECTION D X B (mm)	CONTINUOUS SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
MAXIMUM SPAN (m)											
140 X 45	3.6	3.0	2.6	2.3	2.1	2.0	1.8	1.7	1.6	1.5	1.4
2/140 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.7	2.6	2.4	2.3	2.2
190 x 45	4.9	4.1	3.6	3.2	2.9	2.6	2.5	2.3	2.2	2.1	1.9
2/190 x 45	6.0	5.3	4.8	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9
240 x 45	5.9	4.8	4.2	3.7	3.4	3.1	2.9	2.7	2.6	2.4	2.3
2/240 x 45	7.1	6.5	6.0	5.6	5.1	4.7	4.4	4.1	3.9	3.7	3.5
290 x 45	6.6	5.5	4.8	4.2	3.9	3.6	3.3	3.1	2.9	2.8	2.6
2/290 x 45	8.1	7.4	6.8	6.3	5.8	5.3	5.0	4.7	4.4	4.2	4.0
190 x 63	5.4	4.7	4.2	3.7	3.4	3.1	2.9	2.7	2.6	2.4	2.3
2/190 x 63	6.4	5.8	5.3	4.9	4.6	4.4	4.2	4.0	3.8	3.6	3.4
240 x 63	6.6	6.0	5.3	4.7	4.3	3.9	3.7	3.4	3.2	3.1	2.9
2/240 x 63	7.6	7.0	6.5	6.1	5.8	5.5	5.2	5.0	4.8	4.6	4.3
290 x 63	7.5	6.8	6.3	5.7	5.2	4.8	4.4	4.2	3.9	3.7	3.5
2/290 x 63	8.6	7.9	7.4	7.0	6.7	6.5	6.2	6.0	5.8	5.5	5.2

roof beams 90 kg

WIND CLASSIFICATION N2

RESTRAINT 1200 TOP & SPAN BOTTOM

SECTION D X B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
MAXIMUM SPAN (m)											
140 X 45	2.1	1.8	1.7	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
2/140 x 45	2.6	2.3	2.1	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.4
190 x 45	2.9	2.5	2.3	2.1	2.0	1.9	1.7	1.6	1.5	1.5	1.4
2/190 x 45	3.6	3.1	2.8	2.6	2.5	2.3	2.2	2.1	2.1	2.0	1.9
240 x 45	3.6	3.1	2.9	2.6	2.5	2.3	2.1	2.0	1.9	1.8	1.7
2/240 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.8	2.7	2.6	2.5	2.4
290 x 45	4.3	3.8	3.4	3.2	2.9	2.6	2.5	2.3	2.2	2.1	2.0
2/290 x 45	5.4	4.7	4.3	4.0	3.7	3.5	3.4	3.2	3.1	3.0	2.9
190 x 63	3.2	2.8	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.7
2/190 x 63	3.9	3.5	3.2	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1
240 x 63	4.0	3.5	3.2	2.9	2.8	2.6	2.5	2.4	2.3	2.2	2.1
2/240 x 63	4.9	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.9	2.8	2.7
290 x 63	4.8	4.2	3.8	3.6	3.3	3.2	3.0	2.9	2.8	2.7	2.5
2/290 x 63	5.9	5.2	4.8	4.4	4.2	4.0	3.8	3.6	3.5	3.4	3.3

SECTION D X B (mm)	CONTINUOUS SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
MAXIMUM SPAN (m)											
140 X 45	2.7	2.2	1.9	1.7	1.5	1.4	1.3	1.2	1.2	1.1	1.0
2/140 x 45	3.5	3.1	2.8	2.5	2.3	2.1	2.0	1.8	1.7	1.6	1.6
190 x 45	3.6	3.0	2.5	2.3	2.1	1.9	1.8	1.7	1.6	1.5	1.4
2/190 x 45	4.8	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.2	2.1
240 x 45	4.4	3.7	3.2	2.9	2.6	2.4	2.2	2.1	2.0	1.9	1.8
2/240 x 45	6.0	5.2	4.6	4.1	3.8	3.6	3.3	3.1	3.0	2.8	2.7
290 x 45	5.0	4.2	3.7	3.4	3.1	2.9	2.7	2.5	2.4	2.3	2.1
2/290 x 45	6.8	5.8	5.2	4.7	4.4	4.1	3.8	3.6	3.5	3.3	3.2
190 x 63	4.2	3.5	3.0	2.7	2.4	2.2	2.1	2.0	1.8	1.7	1.7
2/190 x 63	5.3	4.6	4.2	3.9	3.6	3.4	3.1	2.9	2.8	2.6	2.5
240 x 63	5.3	4.4	3.8	3.4	3.1	2.8	2.6	2.5	2.3	2.2	2.1
2/240 x 63	6.5	5.8	5.3	4.9	4.6	4.2	3.9	3.7	3.5	3.3	3.2
290 x 63	6.3	5.3	4.6	4.1	3.7	3.4	3.2	3.0	2.8	2.7	2.5
2/290 x 63	7.4	6.7	6.3	5.9	5.5	5.1	4.7	4.5	4.2	4.0	3.8

roof beams 40 kg

WIND CLASSIFICATION N3

RESTRAINT 1200 TOP & SPAN BOTTOM

SECTION DX B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	2.7	2.4	2.1	2.0	1.8	1.7	1.6	1.5	1.4	1.3	1.3
2/140 x 45	3.3	2.9	2.7	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.8
190 x 45	3.7	3.2	2.9	2.7	2.5	2.3	2.2	2.0	1.9	1.8	1.7
2/190 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.8	2.7	2.6	2.5	2.4
240 x 45	4.6	4.0	3.6	3.3	3.0	2.7	2.6	2.4	2.3	2.2	2.1
2/240 x 45	5.6	4.9	4.5	4.2	3.9	3.7	3.5	3.4	3.2	3.1	3.0
290 x 45	5.5	4.7	4.0	3.6	3.3	3.0	2.8	2.6	2.5	2.4	2.3
2/290 x 45	6.5	5.9	5.4	5.0	4.7	4.4	4.2	4.0	3.8	3.6	3.4
190 x 63	4.0	3.5	3.2	3.0	2.8	2.6	2.5	2.4	2.3	2.2	2.1
2/190 x 63	4.9	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.8	2.7	2.6
240 x 63	5.1	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.9	2.7	2.6
2/240 x 63	6.1	5.4	5.0	4.6	4.3	4.1	3.9	3.7	3.6	3.5	3.3
290 x 63	6.0	5.3	4.9	4.5	4.2	4.0	3.8	3.6	3.5	3.3	3.1
2/290 x 63	6.9	6.4	6.0	5.5	5.2	4.9	4.7	4.5	4.3	4.2	4.0

SECTION DX B (mm)	CONTINUOUS SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	3.3	2.7	2.3	2.1	1.9	1.7	1.6	1.5	1.4	1.3	1.3
2/140 x 45	4.5	3.9	3.5	3.1	2.8	2.6	2.4	2.3	2.1	2.0	1.9
190 x 45	4.4	3.6	3.1	2.8	2.5	2.3	2.2	2.0	1.9	1.8	1.7
2/190 x 45	6.0	5.3	4.7	4.2	3.8	3.5	3.3	3.1	2.9	2.8	2.6
240 x 45	5.2	4.2	3.7	3.3	3.0	2.7	2.6	2.4	2.3	2.2	2.1
2/240 x 45	7.1	6.3	5.5	4.9	4.5	4.1	3.8	3.6	3.4	3.2	3.1
290 x 45	5.9	4.8	4.2	3.7	3.4	3.1	2.9	2.7	2.6	2.5	2.3
2/290 x 45	8.1	7.2	6.3	5.6	5.1	4.7	4.4	4.1	3.9	3.7	3.5
190 x 63	5.2	4.3	3.7	3.3	3.0	2.8	2.6	2.4	2.3	2.2	2.1
2/190 x 63	6.4	5.8	5.3	4.9	4.5	4.1	3.9	3.6	3.4	3.3	3.1
240 x 63	6.5	5.4	4.6	4.1	3.8	3.5	3.2	3.0	2.9	2.7	2.6
2/240 x 63	7.6	7.0	6.5	6.1	5.6	5.2	4.9	4.6	4.3	4.1	3.9
290 x 63	7.5	6.5	5.6	5.0	4.5	4.2	3.9	3.7	3.5	3.3	3.1
2/290 x 63	8.6	7.9	7.4	7.0	6.7	6.3	5.9	5.5	5.2	5.0	4.7

roof beams 90 kg

WIND CLASSIFICATION N3

RESTRAINT 1200 TOP & SPAN BOTTOM

SECTION D X B (mm)	SINGLE SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	2.1	1.8	1.7	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
2/140 x 45	2.6	2.3	2.1	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.4
190 x 45	2.9	2.5	2.3	2.1	2.0	1.9	1.7	1.6	1.5	1.5	1.4
2/190 x 45	3.6	3.1	2.8	2.6	2.5	2.3	2.2	2.1	2.1	2.0	1.9
240 x 45	3.6	3.1	2.9	2.6	2.5	2.3	2.1	2.0	1.9	1.8	1.7
2/240 x 45	4.5	3.9	3.6	3.3	3.1	2.9	2.8	2.7	2.6	2.5	2.4
290 x 45	4.3	3.8	3.4	3.1	2.8	2.6	2.4	2.3	2.1	2.0	1.9
2/290 x 45	5.4	4.7	4.3	4.0	3.7	3.5	3.4	3.2	3.1	3.0	2.9
190 x 63	3.2	2.8	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.7
2/190 x 63	3.9	3.5	3.2	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1
240 x 63	4.0	3.5	3.2	2.9	2.8	2.6	2.5	2.4	2.3	2.2	2.1
2/240 x 63	4.9	4.4	4.0	3.7	3.5	3.3	3.1	3.0	2.9	2.8	2.7
290 x 63	4.8	4.2	3.8	3.6	3.3	3.2	3.0	2.9	2.8	2.7	2.5
2/290 x 63	5.9	5.2	4.8	4.4	4.2	4.0	3.8	3.6	3.5	3.4	3.3

SECTION D X B (mm)	CONTINUOUS SPAN										
	ROOF LOAD WIDTH 'RLW' (mm)										
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2
	MAXIMUM SPAN (m)										
140 X 45	2.7	2.2	1.9	1.7	1.5	1.4	1.3	1.2	1.2	1.1	1.0
2/140 x 45	3.5	3.1	2.8	2.5	2.3	2.1	2.0	1.8	1.7	1.6	1.6
190 x 45	3.6	3.0	2.5	2.3	2.1	1.9	1.8	1.7	1.6	1.5	1.4
2/190 x 45	4.8	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.2	2.1
240 x 45	4.4	3.6	3.1	2.8	2.5	2.3	2.2	2.0	1.9	1.8	1.8
2/240 x 45	6.0	5.2	4.6	4.1	3.8	3.5	3.3	3.1	2.9	2.8	2.6
290 x 45	5.0	4.1	3.6	3.2	2.9	2.7	2.5	2.3	2.2	2.1	2.0
2/290 x 45	6.8	5.8	5.2	4.7	4.3	4.0	3.7	3.5	3.3	3.2	3.0
190 x 63	4.2	3.5	3.0	2.7	2.4	2.2	2.1	2.0	1.8	1.7	1.7
2/190 x 63	5.3	4.6	4.2	3.9	3.6	3.4	3.1	2.9	2.8	2.6	2.5
240 x 63	5.3	4.4	3.8	3.4	3.1	2.8	2.6	2.5	2.3	2.2	2.1
2/240 x 63	6.5	5.8	5.3	4.9	4.6	4.2	3.9	3.7	3.5	3.3	3.2
290 x 63	6.3	5.3	4.6	4.1	3.7	3.4	3.2	3.0	2.8	2.7	2.5
2/290 x 63	7.4	6.7	6.3	5.9	5.5	5.1	4.7	4.5	4.2	4.0	3.8

ceiling lining to underside

SECTION D X B (mm)	SINGLE SPAN				CONTINUOUS SPAN			
	CEILING JOIST SPACING (mm)							
	450	600	900	1200	450	600	900	1200
	MAXIMUM CEILING JOIST SPAN (m)							
90 x 45	1.7	1.7	1.7	1.6	2.0	2.0	2.0	2.0
140 X 45	3.0	3.0	2.9	2.9	3.5	3.5	3.4	3.4
190 x 45	3.8	3.8	3.7	3.7	4.3	4.3	4.2	4.1
240 x 45	4.3	4.2	4.1	4.1	4.8	4.7	4.7	4.6
290 x 45	4.6	4.6	4.5	4.4	5.2	5.2	5.1	5.0
190 x 63	5.9	5.9	5.7	5.6	4.3	4.3	4.2	4.1
240 x 63	6.7	6.6	6.5	6.3	7.6	7.5	7.4	7.2
290 x 63	7.2	7.1	7.0	6.8	8.2	8.1	8.0	7.8

verandah beam

WIND CLASSIFICATION

N2

RESTRAINT 1200 TOP & SPAN BOTTOM

SECTION D X B (mm)	ROOF MASS kg/m ²	SINGLE SPAN				CONTINUOUS SPAN			
		RAFTER RLW (mm)							
		1.2	1.8	2.4	3.0	1.2	1.8	2.4	3.0
		MAXIMUM VERANDAH BEAM SPAN (m)							
140 x 45	10	3.5	3.1	2.7	2.5	3.8	3.5	3.3	3.0
	20	3.0	2.7	2.5	2.1	3.8	3.4	3.0	2.7
	40	2.6	2.3	1.9	1.7	3.2	2.9	2.5	2.0
	90	1.9	1.6	1.3	1.1	2.6	2.0	1.8	1.5
190 x 45	10	4.5	4.1	3.6	3.2	4.6	4.2	4.0	3.8
	20	4.0	3.5	3.1	2.9	4.6	4.2	4.0	3.5
	40	3.3	2.9	2.7	2.5	4.3	3.8	3.3	2.9
	90	2.7	2.4	2.1	1.8	3.4	2.8	2.5	2.1
240 x 45	10	5.3	4.9	4.5	3.8	6.0	5.6	4.6	4.4
	20	4.8	4.3	3.9	3.4	5.8	5.3	4.6	4.2
	40	4.1	3.6	3.3	2.9	5.1	4.6	4.0	3.5
	90	3.2	2.9	2.5	2.2	4.2	3.4	2.9	2.6
290 x 45	10	6.0	5.5	5.0	4.3	6.7	6.2	5.9	5.6
	20	5.4	4.9	4.4	3.8	6.7	6.0	5.6	5.0
	40	4.8	4.3	3.6	3.2	5.8	5.3	4.7	4.1
	90	3.9	3.2	2.8	2.5	4.9	4.0	3.4	3.0
190 x 63	10	4.9	4.4	4.0	3.7	5.6	4.5	4.2	4.0
	20	4.3	3.8	3.4	3.2	5.3	4.5	4.2	4.0
	40	3.6	3.2	2.9	2.7	4.7	4.1	3.8	3.5
	90	2.9	2.6	2.4	2.2	3.8	3.2	3.0	2.7
240 x 63	10	5.6	5.2	4.8	4.5	6.4	5.9	5.6	4.8
	20	5.1	4.6	4.3	4.0	6.2	5.6	5.3	4.8
	40	4.5	4.0	3.6	3.3	5.5	5.0	4.7	4.3
	90	3.6	3.1	2.9	2.7	4.6	4.1	3.7	3.3
290 x 63	10	6.4	5.9	5.5	5.2	7.9	6.6	6.3	6.0
	20	5.8	5.3	4.9	4.7	7.2	6.5	6.0	5.7
	40	5.1	4.7	4.3	4.0	6.3	5.6	5.3	5.0
	90	4.3	3.8	3.4	3.2	5.3	4.8	4.5	4.0

TABLES ARE THE MINIMUM OF 600 OR 1200 CTS

verandah beam

WIND CLASSIFICATION

N3

RESTRAINT 1200 TOP & SPAN BOTTOM

SECTION D X B (mm)	ROOF MASS kg/m ²	SINGLE SPAN				CONTINUOUS SPAN			
		RAFTER RLW (mm)							
		1.2	1.8	2.4	3.0	1.2	1.8	2.4	3.0
		MAXIMUM VERANDAH BEAM SPAN (m)							
140 x 45	10	3.1	2.7	2.4	2.0	3.8	3.5	2.9	2.7
	20	3.0	2.6	2.1	1.7	3.8	3.2	2.7	2.3
	40	2.6	2.2	1.7	1.4	3.2	2.7	2.1	1.9
	90	1.9	1.5	1.2	1.0	2.6	1.9	1.6	1.4
190 x 45	10	4.1	3.6	3.1	2.8	4.6	4.2	4.0	3.4
	20	4.0	3.4	2.9	2.6	4.6	4.1	3.6	3.1
	40	3.3	2.9	2.6	2.3	4.3	3.5	3.0	2.7
	90	2.7	2.4	1.9	1.6	3.3	2.8	2.4	2.0
240 x 45	10	5.1	4.4	3.7	3.3	6.0	5.6	4.6	4.2
	20	4.8	4.0	3.4	3.0	5.8	5.1	4.3	3.9
	40	4.1	3.5	3.0	2.7	5.1	4.3	3.7	3.2
	90	3.2	2.7	2.4	2.1	4.1	3.3	2.8	2.5
290 x 45	10	6.0	4.9	4.2	3.6	6.7	6.2	5.7	5.0
	20	5.4	4.5	3.8	3.3	6.7	5.9	5.0	4.4
	40	4.8	3.8	3.3	2.9	5.8	5.0	4.2	3.8
	90	3.7	3.0	2.6	2.4	4.8	3.9	3.3	2.9
190 x 63	10	4.6	4.0	3.6	3.3	5.6	4.5	4.2	4.0
	20	4.3	3.8	3.4	3.0	5.3	4.5	4.2	4.0
	40	3.6	3.2	2.9	2.7	4.7	4.1	3.8	3.3
	90	2.9	2.6	2.4	2.1	3.8	3.2	2.9	2.6
240 x 63	10	5.6	5.1	4.7	4.3	6.4	5.9	5.6	4.8
	20	5.1	4.6	4.3	3.9	6.2	5.6	5.3	4.8
	40	4.5	4.0	3.6	3.3	5.5	5.0	4.7	4.2
	90	3.6	3.1	2.9	2.7	4.6	4.1	3.7	3.2
290 x 63	10	6.4	5.9	5.5	5.1	7.9	6.6	6.3	6.0
	20	5.8	5.3	4.9	4.7	7.2	6.5	6.0	5.7
	40	5.1	4.7	4.3	4.0	6.3	5.6	5.3	5.0
	90	4.3	3.8	3.4	3.2	5.3	4.8	4.4	4.0

bearers
40 kg floor mass

SECTION D X B (mm)	SINGLE SPAN							
	FLOOR LOAD WIDTH (m)							
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
	MAXIMUM BEARER SPAN (m)							
2/90 x 45	1.7	1.5	1.3	1.2	1.1	1.0	1.0	0.9
2/140 x 45	2.6	2.3	2.1	1.9	1.7	1.6	1.5	1.4
2/190 x 45	3.5	3.1	2.8	2.6	2.3	2.2	2.0	1.9
2/240 x 45	4.2	3.8	3.5	3.2	2.9	2.7	2.5	2.4
2/290 x 45	4.8	4.4	4.1	3.9	3.6	3.3	3.1	2.9
190 x 63	2.8	2.4	2.0	1.8	1.7	1.5	1.4	1.3
240 x 63	3.9	3.5	3.0	2.7	2.5	2.3	2.1	2.0
290 x 63	4.5	4.0	3.7	3.3	3.0	2.8	2.6	2.4
2/190 x 63	3.8	3.4	3.1	2.9	2.7	2.5	2.4	2.2
2/240 x 63	4.5	4.1	3.9	3.6	3.4	3.2	3.0	2.8
2/290 x 63	5.2	4.7	4.4	4.2	4.0	3.8	3.6	3.4

SECTION D X B (mm)	CONTINUOUS SPAN							
	FLOOR LOAD WIDTH (m)							
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
	MAXIMUM BEARER SPAN (m)							
2/90 x 45	1.9	1.6	1.4	1.2	1.1	1.0	1.0	0.9
2/140 x 45	3.0	2.4	2.1	1.9	1.7	1.6	1.5	1.4
2/190 x 45	4.0	3.3	2.9	2.6	2.3	2.2	2.0	1.9
2/240 x 45	4.8	4.0	3.6	3.2	2.9	2.7	2.5	2.4
2/290 x 45	5.4	4.6	4.1	3.7	3.4	3.2	3.0	2.9
190 x 63	3.4	2.8	2.4	2.1	2.0	1.8	1.7	1.6
240 x 63	4.3	3.5	3.0	2.7	2.5	2.3	2.1	2.0
290 x 63	5.1	4.2	3.7	3.3	3.0	2.8	2.6	2.4
2/190 x 63	4.5	3.9	3.4	3.0	2.8	2.5	2.4	2.2
2/240 x 63	5.3	4.8	4.3	3.8	3.5	3.2	3.0	2.8
2/290 x 63	6.1	5.5	5.1	4.6	4.2	3.9	3.6	3.4

deck bearers

40 kg floor mass

2 kPa LIVE LOAD

EXTERNAL DECKS

SECTION D X B (mm)	SINGLE SPAN							
	FLOOR LOAD WIDTH (m)							
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
MAXIMUM BEARER SPAN (m)								
2/90 x 45	1.6	1.4	1.2	1.1	1.0	0.9	0.8	0.8
2/140 x 45	2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.2
2/190 x 45	3.3	2.9	2.6	2.3	2.1	1.9	1.8	1.7
2/240 x 45	3.9	3.6	3.2	2.9	2.6	2.4	2.3	2.1
2/290 x 45	4.5	4.1	3.8	3.5	3.2	2.9	2.7	2.6
190 x 63	2.6	2.1	1.8	1.6	1.5	1.4	1.3	1.2
240 x 63	3.6	3.1	2.7	2.4	2.2	2.0	1.9	1.8
290 x 63	4.1	3.7	3.3	2.9	2.7	2.4	2.3	2.2
2/190 x 63	3.6	3.2	2.9	2.7	2.5	2.3	2.1	2.0
2/240 x 63	4.3	3.9	3.6	3.4	3.1	2.9	2.7	2.5
2/290 x 63	4.9	4.5	4.1	3.9	3.7	3.5	3.2	3.0

SECTION D X B (mm)	CONTINUOUS SPAN							
	FLOOR LOAD WIDTH (m)							
	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
MAXIMUM BEARER SPAN (m)								
2/90 x 45	1.7	1.4	1.2	1.1	1.0	0.9	0.8	0.8
2/140 x 45	2.7	2.2	1.9	1.7	1.5	1.4	1.3	1.2
2/190 x 45	3.6	2.9	2.6	2.3	2.1	1.9	1.8	1.7
2/240 x 45	4.3	3.7	3.2	2.9	2.6	2.4	2.3	2.1
2/290 x 45	4.9	4.2	3.7	3.4	3.1	2.9	2.7	2.6
190 x 63	3.0	2.5	2.1	1.9	1.7	1.6	1.5	1.4
240 x 63	3.8	3.1	2.7	2.4	2.2	2.0	1.9	1.8
290 x 63	4.6	3.8	3.3	2.9	2.7	2.4	2.3	2.2
2/190 x 63	4.1	3.5	3.0	2.7	2.5	2.3	2.1	2.0
2/240 x 63	4.9	4.4	3.8	3.4	3.1	2.9	2.7	2.5
2/290 x 63	5.7	5.1	4.6	4.1	3.7	3.5	3.2	3.0

floor joist

40 kg floor mass

1.5 kpa

SECTION D X B (mm)	SINGLE SPAN				
	FLOOR LOAD WIDTH (m)				
	300	400	450	480	600
	MAXIMUM FLOOR JOIST SPAN (m)				
90 x 45	1.7	1.5	1.5	1.5	1.4
140 x 45	3.3	2.5	2.4	2.5	2.3
190 x 45	4.2	3.6	3.4	3.5	3.2
240 x 45	4.9	4.6	4.4	4.5	4.2
290 x 45	5.6	5.3	5.2	5.1	4.9
190 x 63	4.5	4.1	3.8	4.0	3.6
240 x 63	5.3	5.0	4.9	4.8	4.6
290 x 63	6.0	5.7	5.6	5.5	5.2

SECTION D X B (mm)	CONTINUOUS SPAN				
	FLOOR LOAD WIDTH (m)				
	300	400	450	480	600
	MAXIMUM FLOOR JOIST SPAN (m)				
90 x 45	2.0	1.7	1.6	1.6	1.4
140 x 45	3.8	3.0	2.8	3.0	2.7
190 x 45	4.9	4.5	4.1	4.3	3.8
240 x 45	5.8	5.4	5.2	5.2	4.9
290 x 45	6.7	6.2	6.0	5.9	5.6
190 x 63	5.3	4.9	4.7	4.7	4.3
240 x 63	6.3	5.9	5.7	5.6	5.3
290 x 63	7.3	6.8	6.6	6.5	6.1

100 kg floor mass

1.5 kpa

SECTION D X B (mm)	SINGLE SPAN				
	FLOOR LOAD WIDTH (m)				
	300	400	450	480	600
	MAXIMUM FLOOR JOIST SPAN (m)				
90 x 45	1.7	1.5	1.4	1.4	1.2
140 x 45	2.8	2.5	2.4	2.4	2.2
190 x 45	3.7	3.5	3.3	3.3	3.0
240 x 45	4.4	4.1	4.0	4.0	3.8
290 x 45	5.1	4.8	4.6	4.6	4.3
190 x 63	4.0	3.8	3.7	3.6	3.4
240 x 63	4.8	4.5	4.4	4.3	4.1
290 x 63	5.4	5.1	5.0	4.9	4.7

SECTION D X B (mm)	CONTINUOUS SPAN				
	FLOOR LOAD WIDTH (m)				
	300	400	450	480	600
	MAXIMUM FLOOR JOIST SPAN (m)				
90 x 45	1.7	1.5	1.4	1.4	1.2
140 x 45	3.7	3.0	2.8	3.0	2.7
190 x 45	4.7	4.3	4.1	4.1	3.6
240 x 45	5.5	5.2	5.0	4.9	4.6
290 x 45	6.3	5.9	5.8	5.7	5.4
190 x 63	5.0	4.7	4.6	4.5	4.3
240 x 63	5.9	5.6	5.4	5.3	5.1
290 x 63	6.8	6.4	6.2	6.1	5.8

deck joists
20 kg floor mass

2 kpa

SECTION D X B (mm)	SINGLE SPAN				
	FLOOR LOAD WIDTH (m)				
	300	400	450	480	600
	MAXIMUM FLOOR JOIST SPAN (m)				
90 x 45	1.7	1.5	1.5	1.5	1.4
140 x 45	3.1	2.5	2.4	2.5	2.3
190 x 45	3.9	3.6	3.4	3.5	3.2
240 x 45	4.7	4.4	4.2	4.2	3.9
290 x 45	5.4	5.0	4.9	4.8	4.5
190 x 63	4.3	4.0	3.8	3.8	3.6
240 x 63	5.1	4.7	4.6	4.5	4.3
290 x 63	5.9	5.5	5.3	5.2	4.9

SECTION D X B (mm)	CONTINUOUS SPAN				
	FLOOR LOAD WIDTH (m)				
	300	400	450	480	600
	MAXIMUM FLOOR JOIST SPAN (m)				
90 x 45	2.2	1.8	1.6	1.7	1.5
140 x 45	3.6	3.0	2.8	3.0	2.7
190 x 45	4.5	4.2	4.1	4.0	3.7
240 x 45	5.4	5.0	4.9	4.8	4.5
290 x 45	6.2	5.8	5.6	5.5	5.2
190 x 63	4.9	4.6	4.5	4.4	4.1
240 x 63	5.9	5.5	5.3	5.2	4.9
290 x 63	6.8	6.3	6.1	6.0	5.7