



Verandah Beams - N2

Size & Grade	Single Span Verandah Beams - Span values in mm							
	Roof Load Width (mm)							
	900	1200	1500	2400	3000	4000	5000	6000
140x35 F7	2500	2300	2100	1800	1600	1500	1300	1200
190x35 F7	3400	3100	2900	2400	2200	2000	1800	1700
140x45 F7	2700	2500	2300	2000	1800	1600	1500	1300
190x45 F7	3700	3400	3100	2700	2400	2200	2000	1800
240x45 F7	4500	4200	4000	3400	3100	2800	2500	2300
290x45 F7	5100	4800	4500	4000	3700	3300	3100	2800
140x65 GL8	3100	2800	2600	2200	2000	1800	1700	1500
190x65 GL8	4100	3800	3500	3000	2800	2500	2300	2100
240x65 GL8	4800	4500	4300	3800	3500	3100	2900	2700
290x65 GL8	5500	5200	4900	4400	4100	3800	3500	3200

Size & Grade	Continuous Span Verandah Beams - Span values in mm							
	Roof Load Width (mm)							
	900	1200	1500	2400	3000	4000	5000	6000
140x35 F7	3500	3100	2900	2500	2200	1800	1600	1400
190x35 F7	4500	4200	4000	3100	2700	2400	2100	1900
140x45 F7	3700	3400	3200	2700	2500	2100	1800	1600
190x45 F7	4800	4400	4200	3600	3300	2800	2500	2200
240x45 F7	5600	5300	5000	4400	4100	3400	3000	2700
290x45 F7	6400	6000	5700	5100	4500	3800	3400	3000
140x65 GL8	4100	3800	3600	3000	2800	2500	2300	2100
190x65 GL8	5200	4800	4600	4100	3800	3400	3100	2800
240x65 GL8	6100	5700	5400	4800	4500	4200	3900	3500
290x65 GL8	7000	6500	6200	5500	5200	4800	4500	4300


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HR DESIGN GROUP Pty Ltd

Director

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Verandah Beams - N2

Basic Loading Data:

Roofing = Sheet (20)

Ceiling = 13mm P'Board (12)

Wind Area = N2

Wind Design Strength Pressure = 0.96 kPa

Wind Serviceability Pressure = 0.41 kPa

Notes:

1. Minimum bearing lengths for support of verandah beams: 45mm on end supports, and 65mm internal supports.
2. The span value shown is the distance between centrelines of supports.
3. For continuous spans, the adjacent beam spans may be different, but look up the larger of the spans, and the shorter span must be more than 50% of the larger span.
4. If this rule is not met, then consider the verandah beams are simply supported, and look up the larger span in the single span table.
5. Deflection criteria: for dead load, the lesser of Span/400, or 10mm, and for Roof Live Loads, Span/250.
6. Where there are conflicts in design between loading codes (AS/NZS1170 series), timber code (AS1720.1-2010) and AS1684.1-1999, the loading codes and timber codes take preference.

The above span table values have been designed in accordance with the following codes:

AS1720.1-2010 Timber Design Code

AS1170.0, .1-2002, .2-2011 Loading Codes for Limit State design, Live Loads, and Wind Loads respectively.

AS1684.1-1999 Design Criteria for Residential Timber Framing.

A handwritten signature in black ink, appearing to read "S. Hunt".

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