



Vulcan GL8 Span Tables
Australia



Carefully Crafted Timber

- These span tables are for use with Abodo Wood products only.
- Design assumes timber which remains dry in service.
- A maximum roof pitch of 25 degrees allowed for.
- Design is in accordance with AS1720.1-2010 and AS1720.3-2016
- Construction details to be in accordance with AS1684.2 Residential Framed Construction.

STRUCTURAL CERTIFICATION

**SPAN TABLES FOR
ABODO WOOD**

Incorporating span tables for:
Verandah beams, rafters and posts – GL8 grade.

I, David J King, being a Chartered Professional Engineer and currently holding an Annual Practising Certificate, certify that the span tables have been prepared using widely accepted engineering principles.

Design loading criteria has been determined from AS/NZS 1170.0:2002, AS/NZS 1170.1:2002 *Structural Design Actions* along AS1720.3.2016 *Design Criteria for timber framed residential buildings*.

Structural design is to the requirements of AS1720.1:2010.1 *Timber Structures - Design methods*.



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Rafters

GL8 Single Span – Dry Use

Roof weight **20kg/m²** | Roof snow load **0 kPa**

Loads

Roof	0.2	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	Span/300 or 20mm
Live loads	Span/250
Wind load	Span/150

Batten Spacing

1200mm for sheet roofs
330mm for tile roofs

N1/N2 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	4000	3850	3650	3550	3350
175x40	4900	4600	4350	4250	4050
240x40	6400	6100	5900	5750	5450
290x40	7250	6950	6750	6600	6350
145x65	4650	4350	4200	4050	3850
175x65	5500	5200	5000	4850	4600
240x65	6900	6650	6450	6350	6150
290x65	7800	7550	7350	7200	7000

C1 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	4000	3850	3650	3550	3350
175x40	4900	4600	4350	4250	4050
240x40	6400	6100	5900	5750	5450
290x40	7250	6950	6750	6600	6350
145x65	4650	4350	4200	4050	3850
175x65	5500	5200	5000	4850	4600
240x65	6900	6650	6450	6350	6150
290x65	7800	7550	7350	7200	7000

N3 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	4000	3850	3650	3550	3350
175x40	4900	4600	4350	4250	4050
240x40	6400	6100	5900	5750	5450
290x40	7250	6950	6750	6600	6350
145x65	4650	4350	4200	4050	3850
175x65	5500	5200	5000	4850	4600
240x65	6900	6650	6450	6350	6150
290x65	7800	7550	7350	7200	7000

C2 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	4000	3850	3650	3500	3200
175x40	4900	4600	4350	4100	3750
240x40	6400	6000	5500	5200	4750
290x40	7250	6500	5950	5600	5100
145x65	4650	4350	4200	4050	3850
175x65	5500	5200	5000	4850	4600
240x65	6900	6650	6450	6350	6150
290x65	7800	7550	7350	7200	7000

N4 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	4000	3850	3650	3550	3350
175x40	4900	4600	4350	4250	4050
240x40	6400	6100	5900	5750	5450
290x40	7250	6950	6750	6600	6350
145x65	4650	4350	4200	4050	3850
175x65	5500	5200	5000	4850	4600
240x65	6900	6650	6450	6350	6150
290x65	7800	7550	7350	7200	7000

C3 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3750	3300	3050	2850	2600
175x40	4450	3950	3650	3450	3150
240x40	5450	4800	4400	4150	3800
290x40	5850	5200	4750	4500	4100
145x65	4650	4250	3900	3700	3350
175x65	5500	5150	4700	4450	4050
240x65	6900	6650	6450	6150	5600
290x65	7800	7550	7350	7200	6900

N5 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	4000	3850	3650	3550	3250
175x40	4900	4600	4350	4150	3800
240x40	6400	5950	5450	5150	4700
290x40	7250	6450	5900	5600	5050
145x65	4650	4350	4200	4050	3850
175x65	5500	5200	5000	4850	4600
240x65	6900	6650	6450	6350	6150
290x65	7800	7550	7350	7200	7000

C4 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3150	2800	2550	2450	2200
175x40	3800	3350	3100	2900	2650
240x40	4600	4050	3750	3550	3200
290x40	4950	4400	4050	3800	3500
145x65	4050	3600	3300	3100	2850
175x65	4900	4350	4000	3800	3450
240x65	6800	6000	5500	5200	4750
290x65	7800	7400	6750	6400	5850

N6 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3900	3450	3150	3000	2750
175x40	4650	4100	3800	3600	3250
240x40	5650	5000	4600	4350	3950
290x40	6100	5400	4950	4700	4250
145x65	4650	4350	4050	3850	3500
175x65	5500	5200	4900	4650	4250
240x65	6900	6650	6450	6350	5850
290x65	7800	7550	7350	7200	7000

Rafters

GL8 Single Span – Dry Use

Roof weight **40kg/m²** | Roof snow load **0 kPa**

Loads

Roof	0.4	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	Span/300 or 20mm
Live loads	Span/250
Wind load	Span/150

Batten Spacing

1200mm for sheet roofs
330mm for tile roofs

N1/N2 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3350	3100	2950	2850	2700
175x40	4050	3750	3550	3450	3250
240x40	5450	5100	4850	4700	4450
290x40	6350	6050	5800	5650	5350
145x65	3850	3600	3450	3350	3150
175x65	4600	4350	4100	4000	3800
240x65	6150	5850	5550	5400	5150
290x65	7000	6700	6500	6350	6100

C1 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3350	3100	2950	2850	2700
175x40	4050	3750	3550	3450	3250
240x40	5450	5100	4850	4700	4450
290x40	6350	6050	5800	5650	5350
145x65	3850	3600	3450	3350	3150
175x65	4600	4350	4100	4000	3800
240x65	6150	5850	5550	5400	5150
290x65	7000	6700	6500	6350	6100

N3 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3350	3100	2950	2850	2700
175x40	4050	3750	3550	3450	3250
240x40	5450	5100	4850	4700	4450
290x40	6350	6050	5800	5650	5350
145x65	3850	3600	3450	3350	3150
175x65	4600	4350	4100	4000	3800
240x65	6150	5850	5550	5400	5150
290x65	7000	6700	6500	6350	6100

C2 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3350	3100	2950	2850	2700
175x40	4050	3750	3550	3450	3250
240x40	5450	5100	4850	4700	4450
290x40	6350	6050	5800	5550	5100
145x65	3850	3600	3450	3350	3150
175x65	4600	4350	4100	4000	3800
240x65	6150	5850	5550	5400	5150
290x65	7000	6700	6500	6350	6100

N4 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3350	3100	2950	2850	2700
175x40	4050	3750	3550	3450	3250
240x40	5450	5100	4850	4700	4450
290x40	6350	6050	5800	5650	5350
145x65	3850	3600	3450	3350	3150
175x65	4600	4350	4100	4000	3800
240x65	6150	5850	5550	5400	5150
290x65	7000	6700	6500	6350	6100

C3 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3350	3100	2950	2800	2550
175x40	4050	3750	3450	3300	3000
240x40	5400	4800	4450	4200	3850
290x40	6150	5450	4950	4700	4300
145x65	3850	3600	3450	3350	3150
175x65	4600	4350	4100	4000	3800
240x65	6150	5850	5550	5400	5150
290x65	7000	6700	6500	6350	6100

N5 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3350	3100	2950	2850	2700
175x40	4050	3750	3550	3450	3250
240x40	5450	5100	4850	4700	4450
290x40	6350	6050	5800	5600	5100
145x65	3850	3600	3450	3350	3150
175x65	4600	4350	4100	4000	3800
240x65	6150	5850	5550	5400	5150
290x65	7000	6700	6500	6350	6100

C4 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3250	2850	2650	2500	2300
175x40	3750	3350	3100	2950	2700
240x40	4750	4200	3850	3650	3350
290x40	5100	4550	4150	3950	3600
145x65	3850	3600	3400	3200	2950
175x65	4600	4350	4100	3900	3550
240x65	6150	5850	5550	5350	4900
290x65	7000	6700	6500	6350	6000

N6 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	3350	3100	2950	2850	2700
175x40	4050	3750	3550	3450	3150
240x40	5450	5000	4650	4400	4000
290x40	6350	5700	5200	4950	4500
145x65	3850	3600	3450	3350	3150
175x65	4600	4350	4100	4000	3800
240x65	6150	5850	5550	5400	5150
290x65	7000	6700	6500	6350	6100

Rafters

GL8 Single Span – Dry Use

Roof weight **60kg/m²** | Roof snow load **0 kPa**

Loads

Roof	0.6	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	Span/300 or 20mm
Live loads	Span/250
Wind load	Span/150

Batten Spacing

1200mm for sheet roofs
330mm for tile roofs

N1/N2 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2400
175x40	3550	3300	3150	3050	2850
240x40	4850	4500	4300	4150	3900
290x40	5800	5450	5150	5000	4700
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

C1 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2400
175x40	3550	3300	3150	3050	2850
240x40	4850	4500	4300	4150	3900
290x40	5800	5450	5150	5000	4700
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

N3 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2400
175x40	3550	3300	3150	3050	2850
240x40	4850	4500	4300	4150	3900
290x40	5800	5450	5150	5000	4700
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

C2 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2400
175x40	3550	3300	3150	3050	2850
240x40	4850	4500	4300	4150	3900
290x40	5800	5450	5150	5000	4700
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

N4 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2400
175x40	3550	3300	3150	3050	2850
240x40	4850	4500	4300	4150	3900
290x40	5800	5450	5150	5000	4700
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

C3 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2400
175x40	3550	3300	3150	3050	2850
240x40	4850	4500	4300	4150	3900
290x40	5800	5450	5150	5000	4700
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

N5 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2400
175x40	3550	3300	3150	3050	2850
240x40	4850	4500	4300	4150	3900
290x40	5800	5450	5150	5000	4700
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

C4 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2250
175x40	3550	3300	3150	3000	2750
240x40	4850	4500	4300	4100	3750
290x40	5800	5450	5100	4800	4400
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

N6 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2950	2750	2600	2500	2400
175x40	3550	3300	3150	3050	2850
240x40	4850	4500	4300	4150	3900
290x40	5800	5450	5150	5000	4700
145x65	3450	3200	3050	2950	2800
175x65	4100	3850	3650	3550	3350
240x65	5550	5200	4950	4800	4550
290x65	6500	6150	5950	5750	5450

Rafters

GL8 Single Span – Dry Use

Roof weight **90kg/m²** | Roof snow load **0 kPa**

Loads

Roof	0.9	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	Span/300 or 20mm
Live loads	Span/250
Wind load	Span/150

Batten Spacing

1200mm for sheet roofs
330mm for tile roofs

N1/N2 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

C1 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

N3 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

C2 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

N4 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

C3 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

N5 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

C4 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

N6 wind classification

Rafter spacing	600	760	900	1000	1200
Beam size					
145x40	2600	2400	2300	2200	2100
175x40	3150	2900	2750	2650	2500
240x40	4300	4000	3800	3650	3450
290x40	5150	4800	4550	4400	4150
145x65	3050	2800	2700	2600	2450
175x65	3650	3400	3200	3100	2950
240x65	4950	4650	4400	4250	4000
290x65	5950	5550	5300	5100	4850

Verandah Beams

GL8 Single Span

Roof weight **20kg/m²** | Roof overhang **0mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.2	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3900	3450	3200	2950	2700	2500	2350	2200	2100	1950	1800	1700	1650
175x40	4450	4100	3800	3450	3150	2950	2750	2600	2450	2300	2150	2000	1900
240x40	5550	5150	4850	4450	4050	3750	3500	3300	3150	2900	2700	2550	2400
290x40	6300	5850	5400	4800	4400	4050	3800	3550	3400	3100	2900	2750	2600
145x65	4300	3950	3650	3450	3250	3100	3000	2900	2750	2550	2400	2250	2150
175x65	4850	4550	4300	4100	3900	3750	3600	3450	3350	3100	2900	2700	2600
240x65	6000	5600	5350	5100	4900	4750	4650	4500	4400	4250	4000	3750	3550
290x65	6800	6400	6100	5850	5650	5450	5300	5200	5050	4900	4750	4550	4300

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3600	3100	2650	2400	2150	2000	1850	1750	1650	1550	1450	1350	1300
175x40	4150	3700	3200	2850	2600	2400	2250	2100	2000	1850	1750	1650	1550
240x40	5300	4500	3900	3450	3150	2900	2700	2550	2450	2250	2100	2000	1850
290x40	6000	4850	4200	3750	3400	3150	2950	2750	2600	2400	2250	2150	2000
145x65	4100	3700	3400	3050	2800	2550	2400	2250	2150	2000	1850	1750	1650
175x65	4700	4250	3950	3700	3350	3100	2900	2750	2600	2400	2250	2100	2000
240x65	6000	5400	5000	4750	4550	4300	4000	3750	3550	3300	3100	2900	2750
290x65	6800	6250	5800	5500	5250	5050	4850	4650	4400	4050	3800	3550	3400

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3050	2500	2150	1900	1750	1600	1500	1400	1350	1250	1150	1100	1050
175x40	3650	2950	2550	2300	2100	1950	1800	1700	1600	1500	1400	1300	1250
240x40	4450	3600	3100	2800	2550	2350	2200	2050	1950	1800	1700	1600	1500
290x40	4800	3900	3350	3000	2750	2550	2350	2200	2100	1950	1800	1700	1600
145x65	3700	3200	2750	2450	2250	2050	1950	1800	1700	1600	1500	1400	1350
175x65	4250	3850	3350	2950	2700	2500	2350	2200	2100	1950	1800	1700	1600
240x65	5400	4900	4550	4100	3750	3450	3200	3050	2850	2650	2500	2350	2200
290x65	6250	5650	5250	4950	4600	4250	3950	3700	3550	3250	3050	2850	2700

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3600	3100	2650	2400	2150	2000	1850	1750	1650	1550	1450	1350	1300
175x40	4150	3700	3200	2850	2600	2400	2250	2100	2000	1850	1750	1650	1550
240x40	5300	4500	3900	3450	3150	2900	2700	2550	2450	2250	2100	2000	1850
290x40	6000	4850	4200	3750	3400	3150	2950	2750	2600	2400	2250	2150	2000
145x65	4100	3700	3400	3050	2800	2550	2400	2250	2150	2000	1850	1750	1650
175x65	4700	4250	3950	3700	3350	3100	2900	2750	2600	2400	2250	2100	2000
240x65	6000	5400	5000	4750	4550	4300	4000	3750	3550	3300	3100	2900	2750
290x65	6800	6250	5800	5500	5250	5050	4850	4650	4400	4050	3800	3550	3400

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3050	2500	2150	1900	1750	1600	1500	1400	1350	1250	1150	1100	1050
175x40	3650	2950	2550	2300	2100	1950	1800	1700	1600	1500	1400	1300	1250
240x40	4450	3600	3100	2800	2550	2350	2200	2050	1950	1800	1700	1600	1500
290x40	4800	3900	3350	3000	2750	2550	2350	2200	2100	1950	1800	1700	1600
145x65	3700	3200	2750	2450	2250	2050	1950	1800	1700	1600	1500	1400	1350
175x65	4250	3850	3350	2950	2700	2500	2350	2200	2100	1950	1800	1700	1600
240x65	5400	4900	4550	4100	3750	3450	3200	3050	2850	2650	2500	2350	2200
290x65	6250	5650	5250	4950	4600	4250	3950	3700	3550	3250	3050	2850	2700

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2500	2000	1750	1550	1400	1300	1250	1150	1100	1000	950	900	850
175x40	2950	2400	2100	1850	1700	1550	1450	1400	1300	1200	1150	1050	1000
240x40	3600	2950	2550	2250	2050	1900	1800	1700	1600	1450	1350	1300	1250
290x40	3900	3150	2750	2450	2200	2050	1900	1800	1700	1600	1500	1400	1300
145x65	3200	2600	2250	2000	1800	1700	1550	1500	1400	1300	1200	1150	1100
175x65	3850	3150	2700	2400	2200	2050	1900	1800	1700	1550	1450	1400	1300
240x65	4950	4300	3750	3350	3050	2800	2600	2450	2350	2150	2000	1900	1800
290x65	5700	5150	4600	4100	3700	3450	3200	3050	2850	2650	2500	2350	2200

Verandah Beams

GL8 Single Span

Roof weight **20kg/m²** | Roof overhang **0mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.2	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2500	2000	1750	1550	1400	1300	1250	1150	1100	1000	950	900	850
175x40	2950	2400	2100	1850	1700	1550	1450	1400	1300	1200	1150	1050	1000
240x40	3600	2950	2550	2250	2050	1900	1800	1700	1600	1450	1350	1300	1250
290x40	3900	3150	2750	2450	2200	2050	1900	1800	1700	1600	1500	1400	1300
145x65	3200	2600	2250	2000	1800	1700	1550	1500	1400	1300	1200	1150	1100
175x65	3850	3150	2700	2400	2200	2050	1900	1800	1700	1550	1450	1400	1300
240x65	4950	4300	3750	3350	3050	2800	2600	2450	2350	2150	2000	1900	1800
290x65	5700	5150	4600	4100	3700	3450	3200	3050	2850	2650	2500	2350	2200

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2100	1750	1500	1350	1200	1100	1050	1000	950	850	800	750	700
175x40	2550	2050	1800	1600	1450	1350	1250	1200	1100	1050	950	900	850
240x40	3100	2500	2150	1950	1750	1650	1500	1450	1350	1250	1150	1100	1050
290x40	3300	2700	2350	2100	1900	1750	1650	1550	1450	1350	1250	1200	1150
145x65	2700	2200	1900	1700	1550	1450	1350	1250	1200	1100	1050	950	900
175x65	3300	2650	2300	2050	1900	1750	1600	1550	1450	1350	1250	1200	1100
240x65	4550	3700	3200	2850	2600	2400	2250	2100	2000	1850	1750	1600	1550
290x65	5250	4500	3900	3500	3200	2950	2750	2600	2450	2250	2100	2000	1900

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2100	1750	1500	1350	1200	1100	1050	1000	950	850	800	750	700
175x40	2550	2050	1800	1600	1450	1350	1250	1200	1100	1050	950	900	850
240x40	3100	2500	2150	1950	1750	1650	1500	1450	1350	1250	1150	1100	1050
290x40	3300	2700	2350	2100	1900	1750	1650	1550	1450	1350	1250	1200	1150
145x65	2700	2200	1900	1700	1550	1450	1350	1250	1200	1100	1050	950	900
175x65	3300	2650	2300	2050	1900	1750	1600	1550	1450	1350	1250	1200	1100
240x65	4550	3700	3200	2850	2600	2400	2250	2100	2000	1850	1750	1600	1550
290x65	5250	4500	3900	3500	3200	2950	2750	2600	2450	2250	2100	2000	1900

Verandah Beams

GL8 Single Span

Roof weight **40kg/m²** | Roof overhang **0mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.4	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3200	2800	2550	2400	2250	2150	2050	2000	1900	1750	1650	1550	1500
175x40	3800	3400	3100	2900	2700	2600	2500	2350	2250	2050	1950	1850	1750
240x40	4850	4450	4150	3950	3700	3450	3200	3050	2850	2650	2500	2350	2250
290x40	5550	5100	4750	4550	4250	3950	3700	3500	3300	3050	2850	2700	2550
145x65	3650	3250	3000	2800	2650	2500	2400	2300	2250	2150	2050	1950	1900
175x65	4300	3900	3600	3350	3200	3050	2900	2800	2700	2550	2450	2350	2300
240x65	5350	4900	4650	4400	4250	4100	3950	3800	3700	3500	3350	3250	3150
290x65	6100	5650	5300	5050	4850	4700	4550	4450	4350	4150	4050	3900	3800

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3200	2800	2550	2300	2100	1950	1850	1700	1650	1500	1400	1350	1250
175x40	3800	3400	3000	2700	2450	2300	2150	2000	1900	1750	1650	1550	1500
240x40	4850	4450	3850	3450	3150	2950	2750	2600	2450	2300	2150	2000	1900
290x40	5550	5100	4400	3900	3550	3300	3100	2900	2750	2550	2350	2250	2100
145x65	3650	3250	3000	2800	2650	2500	2400	2300	2150	2000	1850	1750	1700
175x65	4300	3900	3600	3350	3200	3050	2900	2750	2600	2400	2250	2150	2050
240x65	5350	4900	4650	4400	4250	4100	3950	3800	3650	3400	3200	3000	2850
290x65	6100	5650	5300	5050	4850	4700	4550	4450	4350	4000	3750	3550	3350

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3100	2550	2200	2000	1800	1650	1550	1450	1400	1300	1200	1150	1050
175x40	3650	3000	2600	2300	2100	1950	1850	1700	1650	1500	1400	1350	1250
240x40	4600	3750	3200	2850	2600	2400	2250	2150	2000	1850	1750	1650	1550
290x40	4950	4000	3450	3100	2800	2600	2450	2300	2150	2000	1900	1750	1700
145x65	3650	3250	2850	2550	2300	2150	2000	1900	1800	1650	1550	1450	1350
175x65	4250	3850	3450	3050	2800	2600	2400	2250	2150	2000	1850	1750	1650
240x65	5350	4900	4550	4200	3850	3550	3300	3150	2950	2750	2550	2400	2300
290x65	6100	5650	5250	4950	4700	4350	4100	3850	3650	3350	3150	2950	2800

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3200	2800	2550	2300	2100	1950	1850	1700	1650	1500	1400	1350	1250
175x40	3800	3400	3000	2700	2450	2300	2150	2000	1900	1750	1650	1550	1500
240x40	4850	4450	3850	3450	3150	2950	2750	2600	2450	2300	2150	2000	1900
290x40	5550	5100	4400	3900	3550	3300	3100	2900	2750	2550	2350	2250	2100
145x65	3650	3250	3000	2800	2650	2500	2400	2300	2150	2000	1850	1750	1700
175x65	4300	3900	3600	3350	3200	3050	2900	2750	2600	2400	2250	2150	2050
240x65	5350	4900	4650	4400	4250	4100	3950	3800	3650	3400	3200	3000	2850
290x65	6100	5650	5300	5050	4850	4700	4550	4450	4350	4000	3750	3550	3350

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3100	2550	2200	2000	1800	1650	1550	1450	1400	1300	1200	1150	1050
175x40	3650	3000	2600	2300	2100	1950	1850	1700	1650	1500	1400	1350	1250
240x40	4600	3750	3200	2850	2600	2400	2250	2150	2000	1850	1750	1650	1550
290x40	4950	4000	3450	3100	2800	2600	2450	2300	2150	2000	1900	1750	1700
145x65	3650	3250	2850	2550	2300	2150	2000	1900	1800	1650	1550	1450	1350
175x65	4250	3850	3450	3050	2800	2600	2400	2250	2150	2000	1850	1750	1650
240x65	5350	4900	4550	4200	3850	3550	3300	3150	2950	2750	2550	2400	2300
290x65	6100	5650	5250	4950	4700	4350	4100	3850	3650	3350	3150	2950	2800

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2550	2050	1800	1600	1450	1350	1250	1200	1100	1050	950	900	850
175x40	3050	2450	2150	1900	1750	1600	1500	1400	1350	1250	1150	1100	1050
240x40	3700	3000	2600	2300	2100	1950	1800	1700	1600	1500	1400	1300	1250
290x40	4000	3250	2800	2500	2250	2100	1950	1850	1750	1600	1500	1400	1350
145x65	3250	2650	2300	2050	1850	1700	1600	1500	1450	1300	1250	1150	1100
175x65	3900	3200	2750	2450	2250	2100	1950	1850	1750	1600	1500	1400	1350
240x65	4950	4400	3800	3400	3100	2850	2650	2500	2400	2200	2050	1950	1850
290x65	5700	5150	4650	4150	3800	3500	3300	3100	2950	2700	2550	2400	2250

Verandah Beams

GL8 Single Span

Roof weight **40kg/m²** | Roof overhang **0mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.4	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2550	2050	1800	1600	1450	1350	1250	1200	1100	1050	950	900	850
175x40	3050	2450	2150	1900	1750	1600	1500	1400	1350	1250	1150	1100	1050
240x40	3700	3000	2600	2300	2100	1950	1800	1700	1600	1500	1400	1300	1250
290x40	4000	3250	2800	2500	2250	2100	1950	1850	1750	1600	1500	1400	1350
145x65	3250	2650	2300	2050	1850	1700	1600	1500	1450	1300	1250	1150	1100
175x65	3900	3200	2750	2450	2250	2100	1950	1850	1750	1600	1500	1400	1350
240x65	4950	4400	3800	3400	3100	2850	2650	2500	2400	2200	2050	1950	1850
290x65	5700	5150	4650	4150	3800	3500	3300	3100	2950	2700	2550	2400	2250

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2150	1750	1500	1350	1250	1150	1050	1000	950	850	800	750	750
175x40	2600	2100	1800	1600	1450	1350	1250	1200	1150	1050	1000	900	850
240x40	3150	2550	2200	1950	1800	1650	1550	1450	1400	1250	1200	1100	1050
290x40	3350	2750	2350	2100	1950	1800	1650	1550	1500	1350	1300	1200	1150
145x65	2750	2250	1950	1750	1600	1450	1350	1300	1200	1100	1050	1000	950
175x65	3350	2700	2350	2100	1900	1750	1650	1550	1450	1350	1250	1200	1150
240x65	4550	3750	3250	2900	2650	2450	2250	2150	2050	1850	1750	1650	1550
290x65	5250	4600	3950	3550	3250	3000	2800	2650	2500	2300	2150	2050	1900

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2150	1750	1500	1350	1250	1150	1050	1000	950	850	800	750	750
175x40	2600	2100	1800	1600	1450	1350	1250	1200	1150	1050	1000	900	850
240x40	3150	2550	2200	1950	1800	1650	1550	1450	1400	1250	1200	1100	1050
290x40	3350	2750	2350	2100	1950	1800	1650	1550	1500	1350	1300	1200	1150
145x65	2750	2250	1950	1750	1600	1450	1350	1300	1200	1100	1050	1000	950
175x65	3350	2700	2350	2100	1900	1750	1650	1550	1450	1350	1250	1200	1150
240x65	4550	3750	3250	2900	2650	2450	2250	2150	2050	1850	1750	1650	1550
290x65	5250	4600	3950	3550	3250	3000	2800	2650	2500	2300	2150	2050	1900

Verandah Beams

GL8 Single Span

Roof weight **60kg/m²** | Roof overhang **0mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.6	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2800	2500	2250	2100	2000	1900	1800	1750	1650	1600	1500	1450	1350
175x40	3400	3000	2700	2550	2400	2250	2150	2100	2000	1900	1800	1700	1600
240x40	4450	4050	3700	3450	3250	3100	2950	2800	2650	2450	2300	2150	2050
290x40	5100	4650	4350	4150	3950	3650	3400	3200	3050	2850	2650	2500	2350
145x65	3250	2900	2650	2450	2300	2200	2100	2050	1950	1850	1800	1700	1650
175x65	3900	3450	3200	2950	2800	2650	2550	2450	2350	2250	2150	2050	2000
240x65	4900	4500	4250	4000	3800	3650	3500	3350	3250	3100	2950	2850	2750
290x65	5650	5200	4850	4600	4450	4300	4150	4050	3900	3750	3550	3450	3300

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2800	2500	2250	2100	2000	1850	1700	1600	1550	1400	1350	1250	1200
175x40	3400	3000	2700	2550	2350	2150	2000	1900	1800	1650	1550	1450	1400
240x40	4450	4050	3650	3250	3000	2750	2600	2450	2300	2150	2000	1900	1800
290x40	5100	4650	4200	3750	3450	3200	3000	2800	2650	2450	2300	2150	2050
145x65	3250	2900	2650	2450	2300	2200	2100	2050	1950	1850	1750	1650	1600
175x65	3900	3450	3200	2950	2800	2650	2550	2450	2350	2250	2150	2000	1900
240x65	4900	4500	4250	4000	3800	3650	3500	3350	3250	3100	2950	2850	2700
290x65	5650	5200	4850	4600	4450	4300	4150	4050	3900	3750	3550	3350	3150

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2800	2450	2100	1900	1750	1600	1500	1400	1350	1250	1150	1100	1050
175x40	3400	2850	2500	2200	2000	1850	1750	1650	1550	1450	1350	1250	1200
240x40	4450	3650	3200	2850	2600	2400	2250	2100	2000	1850	1750	1650	1550
290x40	5100	4150	3600	3200	2900	2700	2500	2350	2250	2100	1950	1850	1750
145x65	3250	2900	2650	2450	2300	2100	2000	1850	1750	1650	1550	1450	1350
175x65	3900	3450	3200	2950	2750	2550	2400	2250	2150	2000	1850	1750	1650
240x65	4900	4500	4250	4000	3800	3600	3350	3150	3000	2800	2600	2450	2350
290x65	5650	5200	4850	4600	4450	4250	3950	3750	3550	3300	3100	2900	2750

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2800	2500	2250	2100	2000	1850	1700	1600	1550	1400	1350	1250	1200
175x40	3400	3000	2700	2550	2350	2150	2000	1900	1800	1650	1550	1450	1400
240x40	4450	4050	3650	3250	3000	2750	2600	2450	2300	2150	2000	1900	1800
290x40	5100	4650	4200	3750	3450	3200	3000	2800	2650	2450	2300	2150	2050
145x65	3250	2900	2650	2450	2300	2200	2100	2050	1950	1850	1750	1650	1600
175x65	3900	3450	3200	2950	2800	2650	2550	2450	2350	2250	2150	2000	1900
240x65	4900	4500	4250	4000	3800	3650	3500	3350	3250	3100	2950	2850	2700
290x65	5650	5200	4850	4600	4450	4300	4150	4050	3900	3750	3550	3350	3150

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2800	2450	2100	1900	1750	1600	1500	1400	1350	1250	1150	1100	1050
175x40	3400	2850	2500	2200	2000	1850	1750	1650	1550	1450	1350	1250	1200
240x40	4450	3650	3200	2850	2600	2400	2250	2100	2000	1850	1750	1650	1550
290x40	5100	4150	3600	3200	2900	2700	2500	2350	2250	2100	1950	1850	1750
145x65	3250	2900	2650	2450	2300	2100	2000	1850	1750	1650	1550	1450	1350
175x65	3900	3450	3200	2950	2750	2550	2400	2250	2150	2000	1850	1750	1650
240x65	4900	4500	4250	4000	3800	3600	3350	3150	3000	2800	2600	2450	2350
290x65	5650	5200	4850	4600	4450	4250	3950	3750	3550	3300	3100	2900	2750

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2550	2100	1800	1600	1500	1350	1300	1200	1150	1050	1000	950	900
175x40	3000	2450	2150	1900	1750	1600	1500	1400	1350	1250	1150	1100	1050
240x40	3750	3050	2650	2350	2150	2000	1850	1750	1650	1550	1450	1350	1300
290x40	4050	3300	2850	2550	2300	2150	2000	1900	1800	1650	1550	1450	1400
145x65	3250	2700	2350	2100	1900	1750	1650	1550	1450	1350	1250	1200	1150
175x65	3900	3250	2800	2500	2300	2100	2000	1850	1750	1650	1550	1450	1350
240x65	4900	4450	3900	3450	3150	2900	2750	2550	2450	2250	2100	2000	1900
290x65	5650	5150	4750	4250	3900	3600	3350	3150	3000	2750	2600	2450	2300

Verandah Beams

GL8 Single Span

Roof weight **60kg/m²** | Roof overhang **0mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.6	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2550	2100	1800	1600	1500	1350	1300	1200	1150	1050	1000	950	900
175x40	3000	2450	2150	1900	1750	1600	1500	1400	1350	1250	1150	1100	1050
240x40	3750	3050	2650	2350	2150	2000	1850	1750	1650	1550	1450	1350	1300
290x40	4050	3300	2850	2550	2300	2150	2000	1900	1800	1650	1550	1450	1400
145x65	3250	2700	2350	2100	1900	1750	1650	1550	1450	1350	1250	1200	1150
175x65	3900	3250	2800	2500	2300	2100	2000	1850	1750	1650	1550	1450	1350
240x65	4900	4450	3900	3450	3150	2900	2750	2550	2450	2250	2100	2000	1900
290x65	5650	5150	4750	4250	3900	3600	3350	3150	3000	2750	2600	2450	2300

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2200	1800	1550	1350	1250	1150	1100	1000	950	900	850	800	750
175x40	2600	2150	1850	1650	1500	1400	1300	1200	1150	1050	1000	950	900
240x40	3200	2600	2250	2000	1800	1700	1550	1500	1400	1300	1200	1150	1100
290x40	3400	2800	2400	2150	1950	1800	1700	1600	1500	1400	1300	1250	1150
145x65	2800	2300	1950	1750	1600	1500	1400	1300	1250	1150	1050	1000	950
175x65	3400	2750	2400	2150	1950	1800	1650	1600	1500	1400	1300	1200	1150
240x65	4550	3800	3300	2950	2650	2450	2300	2150	2050	1900	1800	1700	1600
290x65	5250	4650	4050	3600	3300	3050	2850	2650	2550	2350	2200	2050	1950

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2200	1800	1550	1350	1250	1150	1100	1000	950	900	850	800	750
175x40	2600	2150	1850	1650	1500	1400	1300	1200	1150	1050	1000	950	900
240x40	3200	2600	2250	2000	1800	1700	1550	1500	1400	1300	1200	1150	1100
290x40	3400	2800	2400	2150	1950	1800	1700	1600	1500	1400	1300	1250	1150
145x65	2800	2300	1950	1750	1600	1500	1400	1300	1250	1150	1050	1000	950
175x65	3400	2750	2400	2150	1950	1800	1650	1600	1500	1400	1300	1200	1150
240x65	4550	3800	3300	2950	2650	2450	2300	2150	2050	1900	1800	1700	1600
290x65	5250	4650	4050	3600	3300	3050	2850	2650	2550	2350	2200	2050	1950

Verandah Beams

GL8 Single Span

Roof weight **90kg/m²** | Roof overhang **0mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.9	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2500	2150	2000	1850	1750	1650	1550	1500	1450	1400	1300	1250	1200
175x40	3000	2600	2400	2200	2100	2000	1900	1850	1750	1700	1600	1500	1450
240x40	4050	3600	3250	3050	2850	2750	2600	2500	2350	2200	2050	1950	1850
290x40	4650	4250	3950	3700	3450	3250	3050	2850	2750	2550	2350	2250	2100
145x65	2900	2550	2300	2150	2050	1950	1850	1800	1700	1650	1550	1500	1450
175x65	3450	3050	2800	2600	2450	2350	2250	2150	2050	1950	1900	1800	1750
240x65	4500	4100	3800	3550	3350	3200	3050	2950	2850	2700	2600	2500	2400
290x65	5200	4750	4450	4200	4050	3850	3700	3550	3450	3250	3150	3000	2900

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2500	2150	2000	1850	1750	1650	1550	1500	1400	1300	1250	1150	1100
175x40	3000	2600	2400	2200	2100	2000	1850	1750	1650	1550	1450	1350	1300
240x40	4050	3600	3250	3050	2750	2550	2400	2250	2150	2000	1850	1750	1650
290x40	4650	4250	3900	3500	3200	2950	2750	2600	2450	2300	2150	2000	1900
145x65	2900	2550	2300	2150	2050	1950	1850	1800	1700	1650	1550	1500	1450
175x65	3450	3050	2800	2600	2450	2350	2250	2150	2050	1950	1900	1800	1750
240x65	4500	4100	3800	3550	3350	3200	3050	2950	2850	2700	2600	2500	2400
290x65	5200	4750	4450	4200	4050	3850	3700	3550	3450	3250	3150	3000	2900

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2500	2150	2000	1800	1650	1500	1400	1300	1250	1150	1100	1000	950
175x40	3000	2600	2350	2100	1900	1750	1650	1550	1450	1350	1250	1200	1150
240x40	4050	3450	3000	2700	2450	2250	2100	2000	1900	1750	1650	1550	1450
290x40	4650	3950	3450	3100	2800	2600	2450	2300	2200	2000	1900	1800	1700
145x65	2900	2550	2300	2150	2050	1950	1850	1750	1650	1550	1450	1350	1300
175x65	3450	3050	2800	2600	2450	2350	2250	2150	2000	1850	1750	1650	1550
240x65	4500	4100	3800	3550	3350	3200	3050	2950	2850	2650	2450	2300	2200
290x65	5200	4750	4450	4200	4050	3850	3700	3550	3350	3100	2900	2750	2600

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2500	2150	2000	1850	1750	1650	1550	1500	1400	1300	1250	1150	1100
175x40	3000	2600	2400	2200	2100	2000	1850	1750	1650	1550	1450	1350	1300
240x40	4050	3600	3250	3050	2750	2550	2400	2250	2150	2000	1850	1750	1650
290x40	4650	4250	3900	3500	3200	2950	2750	2600	2450	2300	2150	2000	1900
145x65	2900	2550	2300	2150	2050	1950	1850	1800	1700	1650	1550	1500	1450
175x65	3450	3050	2800	2600	2450	2350	2250	2150	2050	1950	1900	1800	1750
240x65	4500	4100	3800	3550	3350	3200	3050	2950	2850	2700	2600	2500	2400
290x65	5200	4750	4450	4200	4050	3850	3700	3550	3450	3250	3150	3000	2900

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2500	2150	2000	1800	1650	1500	1400	1300	1250	1150	1100	1000	950
175x40	3000	2600	2350	2100	1900	1750	1650	1550	1450	1350	1250	1200	1150
240x40	4050	3450	3000	2700	2450	2250	2100	2000	1900	1750	1650	1550	1450
290x40	4650	3950	3450	3100	2800	2600	2450	2300	2200	2000	1900	1800	1700
145x65	2900	2550	2300	2150	2050	1950	1850	1750	1650	1550	1450	1350	1300
175x65	3450	3050	2800	2600	2450	2350	2250	2150	2000	1850	1750	1650	1550
240x65	4500	4100	3800	3550	3350	3200	3050	2950	2850	2650	2450	2300	2200
290x65	5200	4750	4450	4200	4050	3850	3700	3550	3350	3100	2900	2750	2600

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2450	2000	1750	1550	1400	1300	1200	1150	1100	1000	950	900	850
175x40	2900	2350	2050	1800	1650	1550	1450	1350	1300	1200	1100	1050	1000
240x40	3700	3000	2600	2350	2150	2000	1850	1750	1650	1550	1450	1350	1250
290x40	4200	3400	2950	2650	2400	2200	2050	1950	1850	1700	1600	1500	1450
145x65	2900	2550	2300	2050	1900	1750	1650	1550	1450	1350	1250	1200	1100
175x65	3450	3050	2800	2500	2250	2100	1950	1850	1750	1650	1500	1450	1350
240x65	4500	4100	3800	3500	3200	2950	2750	2600	2500	2300	2150	2000	1900
290x65	5200	4750	4450	4150	3800	3500	3250	3100	2950	2700	2550	2400	2250

Verandah Beams

GL8 Single Span

Roof weight **90kg/m²** | Roof overhang **0mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.9	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2450	2000	1750	1550	1400	1300	1200	1150	1100	1000	950	900	850
175x40	2900	2350	2050	1800	1650	1550	1450	1350	1300	1200	1100	1050	1000
240x40	3700	3000	2600	2350	2150	2000	1850	1750	1650	1550	1450	1350	1250
290x40	4200	3400	2950	2650	2400	2200	2050	1950	1850	1700	1600	1500	1450
145x65	2900	2550	2300	2050	1900	1750	1650	1550	1450	1350	1250	1200	1100
175x65	3450	3050	2800	2500	2250	2100	1950	1850	1750	1650	1500	1450	1350
240x65	4500	4100	3800	3500	3200	2950	2750	2600	2500	2300	2150	2000	1900
290x65	5200	4750	4450	4150	3800	3500	3250	3100	2950	2700	2550	2400	2250

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2200	1800	1550	1400	1250	1150	1100	1000	950	900	850	800	750
175x40	2550	2100	1800	1600	1500	1350	1300	1200	1150	1050	1000	950	900
240x40	3250	2650	2300	2050	1850	1700	1600	1500	1450	1350	1250	1150	1100
290x40	3500	2850	2450	2200	2000	1850	1750	1650	1550	1450	1350	1250	1200
145x65	2850	2350	2000	1800	1650	1500	1400	1350	1250	1150	1100	1050	950
175x65	3450	2800	2450	2200	2000	1850	1700	1600	1550	1400	1300	1250	1200
240x65	4500	3900	3350	3000	2750	2550	2350	2200	2100	1950	1800	1700	1650
290x65	5200	4750	4100	3700	3350	3100	2900	2750	2600	2400	2250	2100	2000

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2200	1800	1550	1400	1250	1150	1100	1000	950	900	850	800	750
175x40	2550	2100	1800	1600	1500	1350	1300	1200	1150	1050	1000	950	900
240x40	3250	2650	2300	2050	1850	1700	1600	1500	1450	1350	1250	1150	1100
290x40	3500	2850	2450	2200	2000	1850	1750	1650	1550	1450	1350	1250	1200
145x65	2850	2350	2000	1800	1650	1500	1400	1350	1250	1150	1100	1050	950
175x65	3450	2800	2450	2200	2000	1850	1700	1600	1550	1400	1300	1250	1200
240x65	4500	3900	3350	3000	2750	2550	2350	2200	2100	1950	1800	1700	1650
290x65	5200	4750	4100	3700	3350	3100	2900	2750	2600	2400	2250	2100	2000

Verandah Beams

GL8 Single Span

Roof weight **20kg/m²** | Roof overhang **400mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.2	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	3300	3100	2850	2600	2450	2300	2150	2050	1950	1850	1750	1650	1550
175x40	3950	3650	3350	3050	2850	2700	2550	2400	2300	2150	2050	1900	1850
240x40	4950	4700	4250	3950	3650	3400	3250	3050	2950	2750	2550	2450	2300
290x40	5650	5100	4600	4250	3950	3700	3500	3300	3150	2950	2750	2650	2500
145x65	3800	3550	3350	3200	3050	2950	2850	2700	2600	2400	2250	2150	2050
175x65	4400	4200	4000	3850	3700	3550	3450	3300	3150	2900	2750	2600	2500
240x65	5450	5200	5000	4850	4700	4600	4450	4400	4300	4000	3800	3600	3400
290x65	6200	5950	5750	5550	5400	5250	5150	5000	4900	4750	4600	4350	4150

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2850	2500	2300	2100	1950	1850	1750	1650	1550	1450	1350	1300	1250
175x40	3400	3000	2750	2500	2350	2200	2050	1950	1850	1750	1650	1550	1500
240x40	4100	3650	3300	3050	2850	2650	2500	2400	2300	2100	2000	1900	1800
290x40	4450	3950	3550	3300	3050	2850	2700	2550	2450	2300	2150	2050	1950
145x65	3550	3250	2900	2700	2500	2350	2200	2100	2000	1850	1750	1650	1600
175x65	4100	3850	3550	3250	3000	2850	2700	2550	2450	2250	2150	2000	1900
240x65	5200	4900	4650	4450	4150	3900	3700	3500	3350	3100	2950	2800	2650
290x65	5950	5650	5350	5150	4950	4800	4550	4300	4100	3850	3600	3400	3250

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2300	2050	1850	1700	1550	1450	1400	1300	1250	1150	1100	1050	1000
175x40	2750	2400	2200	2000	1900	1750	1650	1600	1500	1400	1300	1250	1200
240x40	3300	2950	2650	2450	2300	2150	2000	1900	1850	1700	1600	1500	1450
290x40	3550	3150	2850	2650	2450	2300	2200	2050	1950	1850	1750	1650	1550
145x65	2900	2600	2350	2150	2000	1900	1800	1700	1600	1500	1400	1350	1300
175x65	3550	3150	2850	2600	2450	2300	2150	2050	1950	1800	1700	1600	1550
240x65	4700	4300	3900	3600	3350	3150	2950	2800	2700	2500	2350	2250	2150
290x65	5400	5100	4800	4400	4100	3850	3650	3450	3300	3100	2900	2750	2600

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2850	2500	2300	2100	1950	1850	1750	1650	1550	1450	1350	1300	1250
175x40	3400	3000	2750	2500	2350	2200	2050	1950	1850	1750	1650	1550	1500
240x40	4100	3650	3300	3050	2850	2650	2500	2400	2300	2100	2000	1900	1800
290x40	4450	3950	3550	3300	3050	2850	2700	2550	2450	2300	2150	2050	1950
145x65	3550	3250	2900	2700	2500	2350	2200	2100	2000	1850	1750	1650	1600
175x65	4100	3850	3550	3250	3000	2850	2700	2550	2450	2250	2150	2000	1900
240x65	5200	4900	4650	4450	4150	3900	3700	3500	3350	3100	2950	2800	2650
290x65	5950	5650	5350	5150	4950	4800	4550	4300	4100	3850	3600	3400	3250

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2300	2050	1850	1700	1550	1450	1400	1300	1250	1150	1100	1050	1000
175x40	2750	2400	2200	2000	1900	1750	1650	1600	1500	1400	1300	1250	1200
240x40	3300	2950	2650	2450	2300	2150	2000	1900	1850	1700	1600	1500	1450
290x40	3550	3150	2850	2650	2450	2300	2200	2050	1950	1850	1750	1650	1550
145x65	2900	2600	2350	2150	2000	1900	1800	1700	1600	1500	1400	1350	1300
175x65	3550	3150	2850	2600	2450	2300	2150	2050	1950	1800	1700	1600	1550
240x65	4700	4300	3900	3600	3350	3150	2950	2800	2700	2500	2350	2250	2150
290x65	5400	5100	4800	4400	4100	3850	3650	3450	3300	3100	2900	2750	2600

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1850	1650	1500	1350	1250	1200	1150	1050	1000	950	900	850	800
175x40	2200	1950	1800	1650	1550	1450	1350	1300	1250	1150	1100	1000	950
240x40	2700	2400	2150	2000	1850	1750	1650	1550	1500	1400	1300	1250	1200
290x40	2900	2600	2350	2150	2000	1850	1750	1700	1600	1500	1400	1350	1250
145x65	2350	2100	1900	1750	1650	1550	1450	1350	1300	1200	1150	1100	1050
175x65	2850	2550	2300	2150	2000	1850	1750	1650	1600	1500	1400	1300	1250
240x65	3950	3500	3200	2950	2700	2550	2400	2300	2200	2050	1900	1800	1750
290x65	4850	4300	3900	3600	3350	3150	2950	2800	2700	2500	2350	2250	2150

Verandah Beams

GL8 Single Span

Roof weight **20kg/m²** | Roof overhang **400mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.2	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1850	1650	1500	1350	1250	1200	1150	1050	1000	950	900	850	800
175x40	2200	1950	1800	1650	1550	1450	1350	1300	1250	1150	1100	1000	950
240x40	2700	2400	2150	2000	1850	1750	1650	1550	1500	1400	1300	1250	1200
290x40	2900	2600	2350	2150	2000	1850	1750	1700	1600	1500	1400	1350	1250
145x65	2350	2100	1900	1750	1650	1550	1450	1350	1300	1200	1150	1100	1050
175x65	2850	2550	2300	2150	2000	1850	1750	1650	1600	1500	1400	1300	1250
240x65	3950	3500	3200	2950	2700	2550	2400	2300	2200	2050	1900	1800	1750
290x65	4850	4300	3900	3600	3350	3150	2950	2800	2700	2500	2350	2250	2150

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1600	1400	1250	1150	1100	1000	950	900	850	800	750	700	700
175x40	1900	1700	1500	1400	1300	1200	1150	1100	1050	1000	900	850	850
240x40	2300	2050	1850	1700	1600	1500	1400	1350	1250	1200	1100	1050	1000
290x40	2500	2200	2000	1850	1700	1600	1500	1450	1350	1300	1200	1150	1100
145x65	2050	1800	1650	1500	1400	1300	1250	1150	1100	1050	1000	950	900
175x65	2450	2200	1950	1800	1700	1600	1500	1400	1350	1250	1200	1150	1050
240x65	3400	3000	2700	2500	2350	2200	2050	1950	1850	1750	1650	1550	1500
290x65	4150	3700	3350	3050	2850	2700	2550	2400	2300	2150	2000	1900	1800

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1600	1400	1250	1150	1100	1000	950	900	850	800	750	700	700
175x40	1900	1700	1500	1400	1300	1200	1150	1100	1050	1000	900	850	850
240x40	2300	2050	1850	1700	1600	1500	1400	1350	1250	1200	1100	1050	1000
290x40	2500	2200	2000	1850	1700	1600	1500	1450	1350	1300	1200	1150	1100
145x65	2050	1800	1650	1500	1400	1300	1250	1150	1100	1050	1000	950	900
175x65	2450	2200	1950	1800	1700	1600	1500	1400	1350	1250	1200	1150	1050
240x65	3400	3000	2700	2500	2350	2200	2050	1950	1850	1750	1650	1550	1500
290x65	4150	3700	3350	3050	2850	2700	2550	2400	2300	2150	2000	1900	1800

Verandah Beams

GL8 Single Span

Roof weight **40kg/m²** | Roof overhang **400mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.4	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2650	2500	2350	2200	2100	2000	1950	1900	1800	1650	1550	1500	1400
175x40	3200	3000	2800	2650	2550	2450	2300	2200	2100	1950	1850	1750	1650
240x40	4250	4050	3850	3600	3350	3150	2950	2800	2700	2500	2350	2250	2150
290x40	4900	4650	4450	4100	3850	3600	3400	3250	3100	2900	2750	2600	2450
145x65	3100	2900	2700	2600	2450	2350	2300	2200	2150	2050	2000	1900	1850
175x65	3700	3450	3250	3100	2950	2850	2750	2650	2600	2500	2400	2300	2250
240x65	4750	4500	4350	4150	4050	3900	3750	3650	3550	3400	3250	3150	3050
290x65	5450	5200	4950	4800	4650	4500	4400	4300	4200	4050	3950	3800	3700

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2650	2450	2200	2050	1900	1800	1700	1600	1550	1450	1350	1250	1200
175x40	3200	2850	2600	2400	2200	2100	1950	1900	1800	1650	1550	1500	1400
240x40	4100	3650	3350	3050	2850	2700	2550	2400	2300	2150	2050	1900	1850
290x40	4650	4150	3750	3450	3200	3000	2850	2700	2550	2400	2250	2150	2050
145x65	3100	2900	2700	2600	2450	2350	2250	2150	2050	1900	1800	1700	1600
175x65	3700	3450	3250	3100	2950	2850	2700	2550	2450	2300	2150	2050	1950
240x65	4750	4500	4350	4150	4050	3900	3750	3600	3450	3200	3050	2850	2750
290x65	5450	5200	4950	4800	4650	4500	4400	4250	4050	3800	3600	3400	3250

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2350	2100	1900	1750	1600	1500	1450	1350	1300	1200	1150	1100	1050
175x40	2750	2450	2200	2050	1900	1800	1700	1600	1550	1450	1350	1250	1200
240x40	3400	3050	2750	2550	2350	2200	2100	2000	1900	1750	1650	1550	1500
290x40	3700	3250	2950	2700	2550	2400	2250	2150	2050	1900	1800	1700	1600
145x65	3000	2700	2400	2250	2050	1950	1850	1750	1650	1550	1450	1400	1300
175x65	3650	3250	2950	2700	2500	2350	2200	2100	2000	1900	1750	1650	1600
240x65	4700	4400	4050	3700	3450	3250	3050	2900	2800	2600	2450	2300	2200
290x65	5400	5100	4850	4550	4250	4000	3750	3550	3400	3200	3000	2850	2700

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2650	2450	2200	2050	1900	1800	1700	1600	1550	1450	1350	1250	1200
175x40	3200	2850	2600	2400	2200	2100	1950	1900	1800	1650	1550	1500	1400
240x40	4100	3650	3350	3050	2850	2700	2550	2400	2300	2150	2050	1900	1850
290x40	4650	4150	3750	3450	3200	3000	2850	2700	2550	2400	2250	2150	2050
145x65	3100	2900	2700	2600	2450	2350	2250	2150	2050	1900	1800	1700	1600
175x65	3700	3450	3250	3100	2950	2850	2700	2550	2450	2300	2150	2050	1950
240x65	4750	4500	4350	4150	4050	3900	3750	3600	3450	3200	3050	2850	2750
290x65	5450	5200	4950	4800	4650	4500	4400	4250	4050	3800	3600	3400	3250

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2350	2100	1900	1750	1600	1500	1450	1350	1300	1200	1150	1100	1050
175x40	2750	2450	2200	2050	1900	1800	1700	1600	1550	1450	1350	1250	1200
240x40	3400	3050	2750	2550	2350	2200	2100	2000	1900	1750	1650	1550	1500
290x40	3700	3250	2950	2700	2550	2400	2250	2150	2050	1900	1800	1700	1600
145x65	3000	2700	2400	2250	2050	1950	1850	1750	1650	1550	1450	1400	1300
175x65	3650	3250	2950	2700	2500	2350	2200	2100	2000	1900	1750	1650	1600
240x65	4700	4400	4050	3700	3450	3250	3050	2900	2800	2600	2450	2300	2200
290x65	5400	5100	4850	4550	4250	4000	3750	3550	3400	3200	3000	2850	2700

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1900	1700	1500	1400	1300	1200	1150	1100	1050	950	900	850	800
175x40	2250	2000	1800	1700	1550	1450	1400	1300	1250	1150	1100	1050	1000
240x40	2750	2450	2200	2050	1900	1750	1700	1600	1500	1400	1350	1250	1200
290x40	2950	2650	2400	2200	2050	1900	1800	1700	1650	1550	1450	1350	1300
145x65	2400	2150	1950	1800	1650	1550	1500	1400	1350	1250	1150	1100	1050
175x65	2950	2600	2350	2150	2000	1900	1800	1700	1600	1500	1400	1350	1300
240x65	4050	3600	3250	3000	2800	2600	2450	2350	2250	2100	1950	1850	1750
290x65	4900	4400	4000	3650	3400	3200	3050	2900	2750	2550	2400	2300	2150

Verandah Beams

GL8 Single Span

Roof weight **40kg/m²** | Roof overhang **400mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.4	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1900	1700	1500	1400	1300	1200	1150	1100	1050	950	900	850	800
175x40	2250	2000	1800	1700	1550	1450	1400	1300	1250	1150	1100	1050	1000
240x40	2750	2450	2200	2050	1900	1750	1700	1600	1500	1400	1350	1250	1200
290x40	2950	2650	2400	2200	2050	1900	1800	1700	1650	1550	1450	1350	1300
145x65	2400	2150	1950	1800	1650	1550	1500	1400	1350	1250	1150	1100	1050
175x65	2950	2600	2350	2150	2000	1900	1800	1700	1600	1500	1400	1350	1300
240x65	4050	3600	3250	3000	2800	2600	2450	2350	2250	2100	1950	1850	1750
290x65	4900	4400	4000	3650	3400	3200	3050	2900	2750	2550	2400	2300	2150

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1600	1450	1300	1200	1100	1050	1000	950	900	850	800	750	700
175x40	1900	1700	1550	1400	1300	1250	1150	1100	1050	1000	950	900	850
240x40	2350	2050	1900	1750	1600	1500	1400	1350	1300	1200	1150	1050	1000
290x40	2500	2250	2000	1850	1750	1600	1550	1450	1400	1300	1200	1150	1100
145x65	2050	1850	1650	1500	1400	1350	1250	1200	1150	1050	1000	950	900
175x65	2500	2200	2000	1850	1700	1600	1500	1450	1400	1300	1200	1150	1100
240x65	3450	3050	2750	2550	2350	2200	2100	2000	1900	1750	1650	1600	1500
290x65	4200	3750	3400	3100	2900	2700	2550	2450	2350	2200	2050	1950	1850

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1600	1450	1300	1200	1100	1050	1000	950	900	850	800	750	700
175x40	1900	1700	1550	1400	1300	1250	1150	1100	1050	1000	950	900	850
240x40	2350	2050	1900	1750	1600	1500	1400	1350	1300	1200	1150	1050	1000
290x40	2500	2250	2000	1850	1750	1600	1550	1450	1400	1300	1200	1150	1100
145x65	2050	1850	1650	1500	1400	1350	1250	1200	1150	1050	1000	950	900
175x65	2500	2200	2000	1850	1700	1600	1500	1450	1400	1300	1200	1150	1100
240x65	3450	3050	2750	2550	2350	2200	2100	2000	1900	1750	1650	1600	1500
290x65	4200	3750	3400	3100	2900	2700	2550	2450	2350	2200	2050	1950	1850

Verandah Beams

GL8 Single Span

Roof weight **60kg/m²** | Roof overhang **400mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.6	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2350	2200	2050	1950	1850	1750	1700	1650	1600	1550	1450	1400	1300
175x40	2850	2650	2450	2350	2250	2150	2050	2000	1950	1800	1700	1600	1550
240x40	3850	3600	3400	3200	3050	2900	2750	2600	2500	2350	2200	2100	2000
290x40	4450	4250	4050	3800	3550	3350	3150	3000	2850	2650	2500	2400	2250
145x65	2750	2550	2400	2250	2150	2100	2000	1950	1900	1800	1750	1650	1600
175x65	3300	3050	2900	2750	2600	2500	2400	2350	2250	2150	2100	2000	1950
240x65	4350	4150	3950	3750	3550	3450	3300	3200	3100	3000	2850	2750	2700
290x65	5000	4750	4550	4350	4200	4100	4000	3850	3750	3600	3450	3350	3250

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2350	2200	2050	1900	1800	1700	1600	1500	1450	1350	1250	1200	1150
175x40	2850	2650	2450	2250	2100	1950	1850	1750	1700	1600	1500	1400	1350
240x40	3850	3450	3150	2900	2700	2550	2400	2250	2150	2050	1900	1800	1700
290x40	4450	3950	3600	3300	3100	2900	2750	2600	2500	2350	2200	2100	2000
145x65	2750	2550	2400	2250	2150	2100	2000	1950	1900	1800	1700	1600	1500
175x65	3300	3050	2900	2750	2600	2500	2400	2350	2250	2150	2050	1950	1850
240x65	4350	4150	3950	3750	3550	3450	3300	3200	3100	3000	2850	2700	2600
290x65	5000	4750	4550	4350	4200	4100	4000	3850	3750	3600	3400	3200	3050

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2250	2000	1800	1650	1550	1450	1400	1300	1250	1150	1100	1050	1000
175x40	2650	2350	2100	1950	1800	1700	1600	1550	1450	1350	1300	1200	1150
240x40	3350	3000	2750	2500	2350	2200	2100	1950	1900	1750	1650	1550	1500
290x40	3800	3400	3050	2800	2600	2450	2300	2200	2100	1950	1850	1750	1650
145x65	2750	2550	2400	2200	2050	1950	1850	1750	1650	1550	1450	1400	1300
175x65	3300	3050	2900	2650	2500	2350	2200	2100	2000	1850	1750	1650	1600
240x65	4350	4150	3950	3750	3500	3300	3100	2950	2800	2650	2500	2350	2250
290x65	5000	4750	4550	4350	4150	3900	3650	3500	3350	3100	2950	2800	2650

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2350	2200	2050	1900	1800	1700	1600	1500	1450	1350	1250	1200	1150
175x40	2850	2650	2450	2250	2100	1950	1850	1750	1700	1600	1500	1400	1350
240x40	3850	3450	3150	2900	2700	2550	2400	2250	2150	2050	1900	1800	1700
290x40	4450	3950	3600	3300	3100	2900	2750	2600	2500	2350	2200	2100	2000
145x65	2750	2550	2400	2250	2150	2100	2000	1950	1900	1800	1700	1600	1500
175x65	3300	3050	2900	2750	2600	2500	2400	2350	2250	2150	2050	1950	1850
240x65	4350	4150	3950	3750	3550	3450	3300	3200	3100	3000	2850	2700	2600
290x65	5000	4750	4550	4350	4200	4100	4000	3850	3750	3600	3400	3200	3050

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2250	2000	1800	1650	1550	1450	1400	1300	1250	1150	1100	1050	1000
175x40	2650	2350	2100	1950	1800	1700	1600	1550	1450	1350	1300	1200	1150
240x40	3350	3000	2750	2500	2350	2200	2100	1950	1900	1750	1650	1550	1500
290x40	3800	3400	3050	2800	2600	2450	2300	2200	2100	1950	1850	1750	1650
145x65	2750	2550	2400	2200	2050	1950	1850	1750	1650	1550	1450	1400	1300
175x65	3300	3050	2900	2650	2500	2350	2200	2100	2000	1850	1750	1650	1600
240x65	4350	4150	3950	3750	3500	3300	3100	2950	2800	2650	2500	2350	2250
290x65	5000	4750	4550	4350	4150	3900	3650	3500	3350	3100	2950	2800	2650

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1950	1700	1550	1450	1350	1250	1200	1100	1050	1000	950	900	850
175x40	2250	2000	1800	1700	1550	1450	1400	1300	1250	1150	1100	1050	1000
240x40	2800	2500	2250	2100	1950	1800	1700	1650	1550	1450	1350	1300	1250
290x40	3050	2700	2450	2250	2100	1950	1850	1750	1650	1550	1450	1400	1300
145x65	2500	2200	2000	1850	1700	1600	1500	1450	1350	1300	1200	1150	1100
175x65	3000	2650	2400	2200	2050	1950	1850	1750	1650	1550	1450	1400	1300
240x65	4150	3650	3300	3050	2850	2650	2500	2400	2300	2150	2000	1900	1800
290x65	4900	4500	4100	3750	3500	3250	3100	2950	2800	2600	2450	2350	2200

Verandah Beams

GL8 Single Span

Roof weight **60kg/m²** | Roof overhang **400mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.6	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1950	1700	1550	1450	1350	1250	1200	1100	1050	1000	950	900	850
175x40	2250	2000	1800	1700	1550	1450	1400	1300	1250	1150	1100	1050	1000
240x40	2800	2500	2250	2100	1950	1800	1700	1650	1550	1450	1350	1300	1250
290x40	3050	2700	2450	2250	2100	1950	1850	1750	1650	1550	1450	1400	1300
145x65	2500	2200	2000	1850	1700	1600	1500	1450	1350	1300	1200	1150	1100
175x65	3000	2650	2400	2200	2050	1950	1850	1750	1650	1550	1450	1400	1300
240x65	4150	3650	3300	3050	2850	2650	2500	2400	2300	2150	2000	1900	1800
290x65	4900	4500	4100	3750	3500	3250	3100	2950	2800	2600	2450	2350	2200

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1650	1450	1300	1200	1100	1050	1000	950	900	850	800	750	700
175x40	1950	1750	1550	1450	1350	1250	1200	1150	1100	1000	950	900	850
240x40	2350	2100	1900	1750	1650	1550	1450	1350	1300	1200	1150	1100	1050
290x40	2550	2250	2050	1900	1750	1650	1550	1500	1400	1300	1250	1150	1100
145x65	2100	1850	1700	1550	1450	1350	1250	1200	1150	1100	1000	950	900
175x65	2550	2250	2050	1850	1750	1650	1550	1450	1400	1300	1250	1150	1100
240x65	3500	3100	2800	2600	2400	2250	2150	2000	1950	1800	1700	1600	1550
290x65	4300	3800	3450	3150	2950	2750	2600	2500	2350	2200	2100	1950	1850

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1650	1450	1300	1200	1100	1050	1000	950	900	850	800	750	700
175x40	1950	1750	1550	1450	1350	1250	1200	1150	1100	1000	950	900	850
240x40	2350	2100	1900	1750	1650	1550	1450	1350	1300	1200	1150	1100	1050
290x40	2550	2250	2050	1900	1750	1650	1550	1500	1400	1300	1250	1150	1100
145x65	2100	1850	1700	1550	1450	1350	1250	1200	1150	1100	1000	950	900
175x65	2550	2250	2050	1850	1750	1650	1550	1450	1400	1300	1250	1150	1100
240x65	3500	3100	2800	2600	2400	2250	2150	2000	1950	1800	1700	1600	1550
290x65	4300	3800	3450	3150	2950	2750	2600	2500	2350	2200	2100	1950	1850

Verandah Beams

GL8 Single Span

Roof weight **90kg/m²** | Roof overhang **400mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.9	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2050	1900	1800	1700	1600	1550	1500	1450	1400	1350	1300	1250	1150
175x40	2500	2300	2150	2050	1950	1850	1800	1750	1700	1600	1500	1450	1350
240x40	3400	3150	2950	2800	2700	2550	2450	2350	2250	2100	1950	1850	1750
290x40	4050	3800	3600	3400	3150	2950	2800	2700	2550	2400	2250	2150	2050
145x65	2400	2250	2100	2000	1900	1800	1750	1700	1650	1550	1500	1450	1400
175x65	2900	2700	2550	2400	2300	2200	2100	2050	2000	1900	1800	1750	1700
240x65	3950	3700	3450	3300	3150	3000	2900	2800	2750	2600	2500	2400	2350
290x65	4550	4300	4100	3950	3800	3650	3500	3400	3300	3150	3050	2950	2850

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2050	1900	1800	1700	1600	1550	1450	1400	1350	1250	1150	1100	1050
175x40	2500	2300	2150	2050	1950	1800	1700	1650	1550	1450	1350	1300	1250
240x40	3400	3150	2900	2650	2500	2350	2200	2100	2000	1900	1750	1650	1600
290x40	4050	3650	3350	3050	2850	2700	2550	2400	2300	2150	2050	1900	1850
145x65	2400	2250	2100	2000	1900	1800	1750	1700	1650	1550	1500	1450	1400
175x65	2900	2700	2550	2400	2300	2200	2100	2050	2000	1900	1800	1750	1700
240x65	3950	3700	3450	3300	3150	3000	2900	2800	2750	2600	2500	2400	2350
290x65	4550	4300	4100	3950	3800	3650	3500	3400	3300	3150	3050	2950	2800

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2050	1900	1700	1550	1450	1350	1300	1250	1200	1100	1050	1000	950
175x40	2450	2200	2000	1850	1700	1600	1500	1450	1400	1300	1200	1150	1100
240x40	3200	2850	2550	2350	2200	2050	1950	1850	1750	1650	1550	1500	1400
290x40	3650	3250	2950	2700	2550	2400	2250	2150	2050	1900	1800	1700	1600
145x65	2400	2250	2100	2000	1900	1800	1700	1650	1550	1450	1350	1300	1250
175x65	2900	2700	2550	2400	2300	2200	2100	2000	1900	1750	1650	1550	1500
240x65	3950	3700	3450	3300	3150	3000	2900	2800	2650	2500	2350	2200	2100
290x65	4550	4300	4100	3950	3800	3650	3450	3300	3150	2950	2750	2600	2500

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2050	1900	1800	1700	1600	1550	1450	1400	1350	1250	1150	1100	1050
175x40	2500	2300	2150	2050	1950	1800	1700	1650	1550	1450	1350	1300	1250
240x40	3400	3150	2900	2650	2500	2350	2200	2100	2000	1900	1750	1650	1600
290x40	4050	3650	3350	3050	2850	2700	2550	2400	2300	2150	2050	1900	1850
145x65	2400	2250	2100	2000	1900	1800	1750	1700	1650	1550	1500	1450	1400
175x65	2900	2700	2550	2400	2300	2200	2100	2050	2000	1900	1800	1750	1700
240x65	3950	3700	3450	3300	3150	3000	2900	2800	2750	2600	2500	2400	2350
290x65	4550	4300	4100	3950	3800	3650	3500	3400	3300	3150	3050	2950	2800

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2050	1900	1700	1550	1450	1350	1300	1250	1200	1100	1050	1000	950
175x40	2450	2200	2000	1850	1700	1600	1500	1450	1400	1300	1200	1150	1100
240x40	3200	2850	2550	2350	2200	2050	1950	1850	1750	1650	1550	1500	1400
290x40	3650	3250	2950	2700	2550	2400	2250	2150	2050	1900	1800	1700	1600
145x65	2400	2250	2100	2000	1900	1800	1700	1650	1550	1450	1350	1300	1250
175x65	2900	2700	2550	2400	2300	2200	2100	2000	1900	1750	1650	1550	1500
240x65	3950	3700	3450	3300	3150	3000	2900	2800	2650	2500	2350	2200	2100
290x65	4550	4300	4100	3950	3800	3650	3450	3300	3150	2950	2750	2600	2500

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1850	1650	1500	1350	1250	1200	1150	1050	1000	950	900	850	800
175x40	2150	1900	1750	1600	1500	1400	1300	1250	1200	1100	1050	1000	950
240x40	2750	2450	2250	2050	1900	1800	1700	1600	1550	1450	1350	1300	1200
290x40	3150	2800	2500	2300	2150	2000	1900	1800	1750	1600	1500	1450	1350
145x65	2400	2200	2000	1800	1700	1600	1500	1450	1350	1250	1200	1150	1100
175x65	2900	2650	2400	2200	2050	1900	1800	1750	1650	1550	1450	1350	1300
240x65	3950	3700	3350	3100	2900	2700	2550	2450	2300	2150	2050	1950	1850
290x65	4550	4300	3950	3650	3400	3200	3000	2850	2750	2550	2400	2300	2200

Verandah Beams

GL8 Single Span

Roof weight **90kg/m²** | Roof overhang **400mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.9	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1850	1650	1500	1350	1250	1200	1150	1050	1000	950	900	850	800
175x40	2150	1900	1750	1600	1500	1400	1300	1250	1200	1100	1050	1000	950
240x40	2750	2450	2250	2050	1900	1800	1700	1600	1550	1450	1350	1300	1200
290x40	3150	2800	2500	2300	2150	2000	1900	1800	1750	1600	1500	1450	1350
145x65	2400	2200	2000	1800	1700	1600	1500	1450	1350	1250	1200	1150	1100
175x65	2900	2650	2400	2200	2050	1900	1800	1750	1650	1550	1450	1350	1300
240x65	3950	3700	3350	3100	2900	2700	2550	2450	2300	2150	2050	1950	1850
290x65	4550	4300	3950	3650	3400	3200	3000	2850	2750	2550	2400	2300	2200

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1650	1450	1300	1200	1150	1050	1000	950	900	850	800	750	700
175x40	1900	1700	1550	1450	1350	1250	1200	1100	1050	1000	950	900	850
240x40	2450	2150	1950	1800	1650	1550	1500	1400	1350	1250	1200	1100	1050
290x40	2600	2350	2100	1950	1800	1700	1600	1500	1450	1350	1250	1200	1150
145x65	2150	1900	1700	1600	1450	1400	1300	1250	1200	1100	1050	1000	950
175x65	2600	2300	2100	1900	1800	1650	1600	1500	1450	1350	1250	1200	1150
240x65	3550	3150	2850	2650	2450	2300	2200	2050	1950	1850	1750	1650	1550
290x65	4350	3900	3550	3250	3000	2850	2650	2550	2450	2250	2150	2000	1900

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1650	1450	1300	1200	1150	1050	1000	950	900	850	800	750	700
175x40	1900	1700	1550	1450	1350	1250	1200	1100	1050	1000	950	900	850
240x40	2450	2150	1950	1800	1650	1550	1500	1400	1350	1250	1200	1100	1050
290x40	2600	2350	2100	1950	1800	1700	1600	1500	1450	1350	1250	1200	1150
145x65	2150	1900	1700	1600	1450	1400	1300	1250	1200	1100	1050	1000	950
175x65	2600	2300	2100	1900	1800	1650	1600	1500	1450	1350	1250	1200	1150
240x65	3550	3150	2850	2650	2450	2300	2200	2050	1950	1850	1750	1650	1550
290x65	4350	3900	3550	3250	3000	2850	2650	2550	2450	2250	2150	2000	1900

Verandah Beams

GL8 Single Span

Roof weight **20kg/m²** | Roof overhang **800mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.2	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2800	2650	2500	2350	2200	2100	2000	1950	1850	1750	1650	1550	1500
175x40	3300	3100	2900	2750	2600	2450	2350	2250	2150	2050	1950	1850	1750
240x40	4200	4000	3750	3500	3300	3150	3000	2850	2750	2600	2450	2350	2250
290x40	4550	4300	4000	3800	3550	3400	3250	3100	2950	2800	2650	2500	2400
145x65	3350	3200	3100	3000	2900	2750	2650	2550	2450	2300	2150	2050	1950
175x65	4000	3850	3700	3600	3450	3350	3200	3050	2950	2750	2600	2500	2400
240x65	5000	4900	4750	4650	4500	4400	4350	4200	4050	3800	3600	3450	3300
290x65	5700	5600	5450	5300	5200	5050	4950	4850	4800	4650	4400	4200	4000

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2250	2100	2000	1850	1750	1700	1600	1550	1450	1400	1300	1250	1200
175x40	2700	2550	2400	2250	2100	2000	1900	1850	1750	1650	1550	1500	1450
240x40	3300	3100	2900	2700	2550	2450	2350	2250	2150	2000	1900	1800	1750
290x40	3550	3350	3100	2950	2750	2650	2500	2400	2300	2150	2050	1950	1850
145x65	2900	2700	2550	2400	2250	2150	2050	1950	1900	1750	1700	1600	1550
175x65	3500	3300	3100	2900	2750	2600	2500	2400	2300	2150	2050	1950	1850
240x65	4650	4500	4250	4000	3800	3600	3400	3250	3150	2950	2800	2650	2550
290x65	5350	5200	5000	4850	4650	4400	4200	4000	3850	3650	3450	3250	3150

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1800	1700	1600	1500	1400	1350	1300	1250	1200	1100	1050	1000	950
175x40	2150	2050	1900	1800	1700	1600	1550	1500	1400	1350	1250	1200	1150
240x40	2650	2500	2350	2200	2050	1950	1850	1800	1700	1600	1550	1450	1400
290x40	2850	2650	2500	2350	2250	2100	2000	1950	1850	1750	1650	1550	1500
145x65	2300	2200	2050	1950	1800	1750	1650	1600	1500	1450	1350	1300	1250
175x65	2800	2650	2500	2350	2200	2100	2000	1900	1850	1750	1650	1550	1500
240x65	3900	3650	3400	3200	3050	2900	2750	2650	2550	2400	2250	2150	2050
290x65	4750	4500	4200	3950	3750	3550	3400	3250	3100	2900	2750	2650	2500

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2250	2100	2000	1850	1750	1700	1600	1550	1450	1400	1300	1250	1200
175x40	2700	2550	2400	2250	2100	2000	1900	1850	1750	1650	1550	1500	1450
240x40	3300	3100	2900	2700	2550	2450	2350	2250	2150	2000	1900	1800	1750
290x40	3550	3350	3100	2950	2750	2650	2500	2400	2300	2150	2050	1950	1850
145x65	2900	2700	2550	2400	2250	2150	2050	1950	1900	1750	1700	1600	1550
175x65	3500	3300	3100	2900	2750	2600	2500	2400	2300	2150	2050	1950	1850
240x65	4650	4500	4250	4000	3800	3600	3400	3250	3150	2950	2800	2650	2550
290x65	5350	5200	5000	4850	4650	4400	4200	4000	3850	3650	3450	3250	3150

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1800	1700	1600	1500	1400	1350	1300	1250	1200	1100	1050	1000	950
175x40	2150	2050	1900	1800	1700	1600	1550	1500	1400	1350	1250	1200	1150
240x40	2650	2500	2350	2200	2050	1950	1850	1800	1700	1600	1550	1450	1400
290x40	2850	2650	2500	2350	2250	2100	2000	1950	1850	1750	1650	1550	1500
145x65	2300	2200	2050	1950	1800	1750	1650	1600	1500	1450	1350	1300	1250
175x65	2800	2650	2500	2350	2200	2100	2000	1900	1850	1750	1650	1550	1500
240x65	3900	3650	3400	3200	3050	2900	2750	2650	2550	2400	2250	2150	2050
290x65	4750	4500	4200	3950	3750	3550	3400	3250	3100	2900	2750	2650	2500

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1500	1400	1300	1200	1150	1100	1050	1000	950	900	850	800	800
175x40	1750	1650	1550	1450	1400	1300	1250	1200	1150	1100	1050	1000	950
240x40	2150	2000	1900	1800	1700	1600	1500	1450	1400	1300	1250	1200	1150
290x40	2300	2200	2050	1900	1800	1700	1650	1550	1500	1400	1350	1300	1200
145x65	1900	1800	1650	1550	1500	1400	1350	1300	1250	1150	1100	1050	1000
175x65	2300	2150	2000	1900	1800	1700	1650	1550	1500	1400	1350	1250	1200
240x65	3150	2950	2800	2600	2450	2350	2250	2150	2050	1950	1850	1750	1650
290x65	3850	3650	3400	3200	3050	2900	2750	2650	2550	2400	2250	2150	2050

Verandah Beams

GL8 Single Span

Roof weight **20kg/m²** | Roof overhang **800mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.2	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1500	1400	1300	1200	1150	1100	1050	1000	950	900	850	800	800
175x40	1750	1650	1550	1450	1400	1300	1250	1200	1150	1100	1050	1000	950
240x40	2150	2000	1900	1800	1700	1600	1500	1450	1400	1300	1250	1200	1150
290x40	2300	2200	2050	1900	1800	1700	1650	1550	1500	1400	1350	1300	1200
145x65	1900	1800	1650	1550	1500	1400	1350	1300	1250	1150	1100	1050	1000
175x65	2300	2150	2000	1900	1800	1700	1650	1550	1500	1400	1350	1250	1200
240x65	3150	2950	2800	2600	2450	2350	2250	2150	2050	1950	1850	1750	1650
290x65	3850	3650	3400	3200	3050	2900	2750	2650	2550	2400	2250	2150	2050

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1250	1200	1100	1050	1000	950	900	850	800	750	750	700	650
175x40	1500	1400	1350	1250	1200	1100	1050	1000	1000	900	850	850	800
240x40	1850	1700	1600	1500	1450	1350	1300	1250	1200	1100	1050	1000	950
290x40	1950	1850	1750	1650	1550	1450	1400	1350	1300	1200	1150	1100	1050
145x65	1600	1500	1400	1350	1250	1200	1150	1100	1050	1000	950	900	850
175x65	1950	1850	1700	1600	1550	1450	1400	1350	1250	1200	1150	1100	1050
240x65	2700	2550	2350	2250	2100	2000	1900	1850	1750	1650	1550	1500	1400
290x65	3300	3100	2900	2750	2600	2450	2350	2250	2150	2050	1900	1850	1750

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1250	1200	1100	1050	1000	950	900	850	800	750	750	700	650
175x40	1500	1400	1350	1250	1200	1100	1050	1000	1000	900	850	850	800
240x40	1850	1700	1600	1500	1450	1350	1300	1250	1200	1100	1050	1000	950
290x40	1950	1850	1750	1650	1550	1450	1400	1350	1300	1200	1150	1100	1050
145x65	1600	1500	1400	1350	1250	1200	1150	1100	1050	1000	950	900	850
175x65	1950	1850	1700	1600	1550	1450	1400	1350	1250	1200	1150	1100	1050
240x65	2700	2550	2350	2250	2100	2000	1900	1850	1750	1650	1550	1500	1400
290x65	3300	3100	2900	2750	2600	2450	2350	2250	2150	2050	1900	1850	1750

Verandah Beams

GL8 Single Span

Roof weight **40kg/m²** | Roof overhang **800mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.4	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2300	2250	2150	2050	2000	1900	1850	1750	1700	1600	1500	1450	1350
175x40	2800	2700	2600	2500	2350	2250	2150	2050	1950	1850	1750	1700	1600
240x40	3800	3600	3400	3200	3050	2900	2750	2650	2550	2400	2250	2150	2050
290x40	4400	4150	3900	3700	3500	3300	3150	3050	2900	2750	2600	2500	2350
145x65	2700	2600	2500	2400	2300	2250	2200	2100	2050	2000	1900	1850	1800
175x65	3250	3150	3000	2900	2800	2700	2650	2550	2500	2400	2300	2250	2200
240x65	4300	4200	4050	3950	3800	3700	3600	3500	3400	3300	3150	3050	3000
290x65	4950	4800	4700	4550	4450	4350	4250	4150	4100	3950	3850	3700	3600

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2200	2050	1950	1800	1700	1650	1550	1500	1450	1350	1300	1200	1150
175x40	2550	2400	2250	2150	2000	1900	1850	1750	1700	1600	1500	1450	1350
240x40	3300	3100	2900	2750	2600	2450	2350	2250	2150	2050	1950	1850	1750
290x40	3700	3500	3250	3100	2900	2750	2650	2500	2400	2300	2150	2050	1950
145x65	2700	2600	2500	2400	2300	2150	2100	2000	1900	1800	1700	1600	1550
175x65	3250	3150	3000	2900	2750	2650	2500	2400	2300	2150	2050	1950	1850
240x65	4300	4200	4050	3950	3800	3700	3500	3350	3250	3050	2900	2750	2650
290x65	4950	4800	4700	4550	4450	4350	4150	4000	3850	3600	3400	3250	3100

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1850	1750	1650	1550	1450	1400	1350	1250	1200	1150	1100	1050	1000
175x40	2200	2050	1950	1850	1750	1650	1550	1500	1450	1350	1300	1200	1150
240x40	2700	2550	2400	2250	2150	2050	1950	1850	1800	1650	1600	1500	1450
290x40	2950	2750	2600	2450	2300	2200	2100	2000	1900	1800	1700	1600	1550
145x65	2400	2250	2100	2000	1900	1800	1700	1650	1550	1450	1400	1350	1250
175x65	2900	2750	2550	2400	2300	2150	2050	1950	1900	1800	1700	1600	1550
240x65	4000	3750	3550	3300	3150	3000	2850	2700	2600	2450	2300	2200	2100
290x65	4850	4600	4350	4050	3850	3650	3500	3350	3200	3000	2850	2700	2600

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2200	2050	1950	1800	1700	1650	1550	1500	1450	1350	1300	1200	1150
175x40	2550	2400	2250	2150	2000	1900	1850	1750	1700	1600	1500	1450	1350
240x40	3300	3100	2900	2750	2600	2450	2350	2250	2150	2050	1950	1850	1750
290x40	3700	3500	3250	3100	2900	2750	2650	2500	2400	2300	2150	2050	1950
145x65	2700	2600	2500	2400	2300	2150	2100	2000	1900	1800	1700	1600	1550
175x65	3250	3150	3000	2900	2750	2650	2500	2400	2300	2150	2050	1950	1850
240x65	4300	4200	4050	3950	3800	3700	3500	3350	3250	3050	2900	2750	2650
290x65	4950	4800	4700	4550	4450	4350	4150	4000	3850	3600	3400	3250	3100

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1850	1750	1650	1550	1450	1400	1350	1250	1200	1150	1100	1050	1000
175x40	2200	2050	1950	1850	1750	1650	1550	1500	1450	1350	1300	1200	1150
240x40	2700	2550	2400	2250	2150	2050	1950	1850	1800	1650	1600	1500	1450
290x40	2950	2750	2600	2450	2300	2200	2100	2000	1900	1800	1700	1600	1550
145x65	2400	2250	2100	2000	1900	1800	1700	1650	1550	1450	1400	1350	1250
175x65	2900	2750	2550	2400	2300	2150	2050	1950	1900	1800	1700	1600	1550
240x65	4000	3750	3550	3300	3150	3000	2850	2700	2600	2450	2300	2200	2100
290x65	4850	4600	4350	4050	3850	3650	3500	3350	3200	3000	2850	2700	2600

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1500	1400	1350	1250	1200	1100	1050	1000	1000	900	850	850	800
175x40	1800	1700	1600	1500	1400	1350	1300	1250	1200	1100	1050	1000	950
240x40	2200	2050	1950	1800	1700	1650	1550	1500	1450	1350	1250	1200	1150
290x40	2350	2200	2100	1950	1850	1750	1700	1600	1550	1450	1350	1300	1250
145x65	1950	1800	1700	1600	1500	1450	1350	1300	1250	1200	1100	1050	1000
175x65	2350	2200	2050	1950	1850	1750	1650	1600	1500	1450	1350	1300	1250
240x65	3200	3050	2850	2650	2500	2400	2300	2200	2100	2000	1850	1800	1700
290x65	3950	3700	3500	3300	3100	2950	2800	2700	2600	2450	2300	2200	2100

Verandah Beams

GL8 Single Span

Roof weight **40kg/m²** | Roof overhang **800mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.4	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1500	1400	1350	1250	1200	1100	1050	1000	1000	900	850	850	800
175x40	1800	1700	1600	1500	1400	1350	1300	1250	1200	1100	1050	1000	950
240x40	2200	2050	1950	1800	1700	1650	1550	1500	1450	1350	1250	1200	1150
290x40	2350	2200	2100	1950	1850	1750	1700	1600	1550	1450	1350	1300	1250
145x65	1950	1800	1700	1600	1500	1450	1350	1300	1250	1200	1100	1050	1000
175x65	2350	2200	2050	1950	1850	1750	1650	1600	1500	1450	1350	1300	1250
240x65	3200	3050	2850	2650	2500	2400	2300	2200	2100	2000	1850	1800	1700
290x65	3950	3700	3500	3300	3100	2950	2800	2700	2600	2450	2300	2200	2100

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1300	1200	1150	1050	1000	950	900	850	850	800	750	700	650
175x40	1550	1450	1350	1250	1200	1150	1100	1050	1000	950	900	850	800
240x40	1850	1750	1650	1550	1450	1400	1300	1250	1200	1150	1100	1050	1000
290x40	2000	1900	1750	1650	1550	1500	1400	1350	1300	1250	1150	1100	1050
145x65	1650	1550	1450	1350	1300	1200	1150	1100	1050	1000	950	900	850
175x65	2000	1850	1750	1650	1550	1500	1400	1350	1300	1200	1150	1100	1050
240x65	2750	2550	2400	2250	2150	2050	1950	1850	1800	1700	1600	1500	1450
290x65	3350	3150	2950	2800	2650	2500	2400	2300	2200	2050	1950	1850	1800

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1300	1200	1150	1050	1000	950	900	850	850	800	750	700	650
175x40	1550	1450	1350	1250	1200	1150	1100	1050	1000	950	900	850	800
240x40	1850	1750	1650	1550	1450	1400	1300	1250	1200	1150	1100	1050	1000
290x40	2000	1900	1750	1650	1550	1500	1400	1350	1300	1250	1150	1100	1050
145x65	1650	1550	1450	1350	1300	1200	1150	1100	1050	1000	950	900	850
175x65	2000	1850	1750	1650	1550	1500	1400	1350	1300	1200	1150	1100	1050
240x65	2750	2550	2400	2250	2150	2050	1950	1850	1800	1700	1600	1500	1450
290x65	3350	3150	2950	2800	2650	2500	2400	2300	2200	2050	1950	1850	1800

Verandah Beams

GL8 Single Span

Roof weight **60kg/m²** | Roof overhang **800mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.6	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2050	1950	1850	1800	1750	1700	1600	1600	1550	1450	1400	1300	1250
175x40	2450	2350	2250	2150	2100	2000	1950	1900	1800	1700	1600	1550	1500
240x40	3350	3250	3100	2950	2800	2650	2550	2450	2350	2200	2100	2000	1900
290x40	4050	3850	3600	3400	3200	3050	2900	2800	2700	2550	2400	2300	2200
145x65	2400	2300	2200	2100	2050	1950	1900	1850	1800	1750	1650	1600	1550
175x65	2850	2750	2650	2550	2450	2400	2300	2250	2200	2100	2000	1950	1900
240x65	3900	3750	3600	3500	3350	3250	3150	3050	3000	2900	2800	2700	2600
290x65	4500	4400	4250	4150	4050	3950	3800	3700	3600	3500	3350	3250	3150

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2050	1950	1850	1700	1600	1550	1450	1400	1350	1250	1200	1150	1100
175x40	2400	2300	2150	2000	1900	1800	1750	1650	1600	1500	1400	1350	1300
240x40	3100	2950	2750	2600	2450	2350	2200	2150	2050	1900	1800	1750	1650
290x40	3550	3350	3150	2950	2800	2650	2550	2450	2350	2200	2100	2000	1900
145x65	2400	2300	2200	2100	2050	1950	1900	1850	1800	1700	1600	1550	1450
175x65	2850	2750	2650	2550	2450	2400	2300	2250	2200	2050	1950	1850	1750
240x65	3900	3750	3600	3500	3350	3250	3150	3050	3000	2900	2750	2600	2500
290x65	4500	4400	4250	4150	4050	3950	3800	3700	3600	3400	3250	3050	2950

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1800	1700	1600	1500	1400	1350	1300	1200	1150	1100	1050	1000	950
175x40	2100	2000	1850	1750	1650	1550	1500	1450	1400	1300	1250	1150	1100
240x40	2700	2550	2400	2250	2150	2000	1950	1850	1750	1650	1600	1500	1450
290x40	3050	2850	2650	2500	2400	2250	2150	2050	2000	1850	1750	1700	1600
145x65	2400	2250	2100	2000	1850	1800	1700	1650	1550	1450	1400	1300	1250
175x65	2850	2700	2550	2400	2250	2150	2050	1950	1900	1800	1700	1600	1550
240x65	3900	3750	3550	3350	3200	3000	2900	2750	2650	2500	2350	2250	2150
290x65	4500	4400	4200	3950	3750	3550	3400	3250	3150	2950	2800	2650	2550

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	2050	1950	1850	1700	1600	1550	1450	1400	1350	1250	1200	1150	1100
175x40	2400	2300	2150	2000	1900	1800	1750	1650	1600	1500	1400	1350	1300
240x40	3100	2950	2750	2600	2450	2350	2200	2150	2050	1900	1800	1750	1650
290x40	3550	3350	3150	2950	2800	2650	2550	2450	2350	2200	2100	2000	1900
145x65	2400	2300	2200	2100	2050	1950	1900	1850	1800	1700	1600	1550	1450
175x65	2850	2750	2650	2550	2450	2400	2300	2250	2200	2050	1950	1850	1750
240x65	3900	3750	3600	3500	3350	3250	3150	3050	3000	2900	2750	2600	2500
290x65	4500	4400	4250	4150	4050	3950	3800	3700	3600	3400	3250	3050	2950

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1800	1700	1600	1500	1400	1350	1300	1200	1150	1100	1050	1000	950
175x40	2100	2000	1850	1750	1650	1550	1500	1450	1400	1300	1250	1150	1100
240x40	2700	2550	2400	2250	2150	2000	1950	1850	1750	1650	1600	1500	1450
290x40	3050	2850	2650	2500	2400	2250	2150	2050	2000	1850	1750	1700	1600
145x65	2400	2250	2100	2000	1850	1800	1700	1650	1550	1450	1400	1300	1250
175x65	2850	2700	2550	2400	2250	2150	2050	1950	1900	1800	1700	1600	1550
240x65	3900	3750	3550	3350	3200	3000	2900	2750	2650	2500	2350	2250	2150
290x65	4500	4400	4200	3950	3750	3550	3400	3250	3150	2950	2800	2650	2550

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1550	1450	1350	1300	1200	1150	1100	1050	1000	950	900	850	800
175x40	1800	1700	1600	1500	1400	1350	1300	1250	1200	1100	1050	1000	950
240x40	2250	2100	1950	1850	1750	1650	1600	1500	1450	1350	1300	1250	1200
290x40	2400	2250	2150	2000	1900	1800	1700	1650	1550	1500	1400	1350	1250
145x65	1950	1850	1750	1650	1550	1450	1400	1350	1300	1200	1150	1100	1050
175x65	2400	2250	2100	2000	1850	1800	1700	1600	1550	1450	1400	1300	1250
240x65	3300	3100	2900	2750	2600	2450	2350	2250	2150	2000	1900	1800	1750
290x65	4050	3800	3550	3350	3150	3000	2850	2750	2650	2500	2350	2250	2150

Verandah Beams

GL8 Single Span

Roof weight **60kg/m²** | Roof overhang **800mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.6	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1550	1450	1350	1300	1200	1150	1100	1050	1000	950	900	850	800
175x40	1800	1700	1600	1500	1400	1350	1300	1250	1200	1100	1050	1000	950
240x40	2250	2100	1950	1850	1750	1650	1600	1500	1450	1350	1300	1250	1200
290x40	2400	2250	2150	2000	1900	1800	1700	1650	1550	1500	1400	1350	1250
145x65	1950	1850	1750	1650	1550	1450	1400	1350	1300	1200	1150	1100	1050
175x65	2400	2250	2100	2000	1850	1800	1700	1600	1550	1450	1400	1300	1250
240x65	3300	3100	2900	2750	2600	2450	2350	2250	2150	2000	1900	1800	1750
290x65	4050	3800	3550	3350	3150	3000	2850	2750	2650	2500	2350	2250	2150

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1300	1200	1150	1100	1000	950	900	900	850	800	750	700	700
175x40	1550	1450	1350	1300	1200	1150	1100	1050	1000	950	900	850	800
240x40	1900	1800	1650	1550	1500	1400	1350	1300	1250	1150	1100	1050	1000
290x40	2050	1900	1800	1700	1600	1500	1450	1400	1350	1250	1200	1100	1050
145x65	1650	1550	1450	1400	1300	1250	1200	1150	1100	1000	950	900	900
175x65	2000	1900	1800	1650	1600	1500	1450	1350	1300	1250	1150	1100	1050
240x65	2750	2600	2450	2300	2200	2050	1950	1900	1800	1700	1600	1550	1450
290x65	3400	3200	3000	2850	2650	2550	2400	2300	2250	2100	2000	1900	1800

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1300	1200	1150	1100	1000	950	900	900	850	800	750	700	700
175x40	1550	1450	1350	1300	1200	1150	1100	1050	1000	950	900	850	800
240x40	1900	1800	1650	1550	1500	1400	1350	1300	1250	1150	1100	1050	1000
290x40	2050	1900	1800	1700	1600	1500	1450	1400	1350	1250	1200	1100	1050
145x65	1650	1550	1450	1400	1300	1250	1200	1150	1100	1000	950	900	900
175x65	2000	1900	1800	1650	1600	1500	1450	1350	1300	1250	1150	1100	1050
240x65	2750	2600	2450	2300	2200	2050	1950	1900	1800	1700	1600	1550	1450
290x65	3400	3200	3000	2850	2650	2550	2400	2300	2250	2100	2000	1900	1800

Verandah Beams

GL8 Single Span

Roof weight **90kg/m²** | Roof overhang **800mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.9	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N1/N2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1800	1700	1650	1550	1500	1450	1400	1400	1350	1300	1250	1200	1150
175x40	2150	2050	2000	1900	1850	1750	1700	1650	1600	1550	1450	1400	1300
240x40	2950	2850	2700	2600	2500	2400	2300	2200	2100	1950	1850	1800	1700
290x40	3550	3400	3200	3050	2900	2750	2600	2500	2400	2250	2150	2050	1950
145x65	2100	2000	1900	1850	1800	1700	1650	1600	1600	1500	1450	1400	1350
175x65	2500	2400	2300	2250	2150	2100	2000	1950	1900	1850	1750	1700	1650
240x65	3450	3300	3200	3050	2950	2850	2750	2700	2600	2500	2450	2350	2300
290x65	4100	4000	3850	3700	3550	3450	3350	3250	3150	3050	2950	2850	2750

N3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1800	1700	1650	1550	1500	1450	1350	1300	1250	1200	1100	1050	1000
175x40	2150	2050	2000	1850	1750	1650	1600	1550	1450	1400	1300	1250	1200
240x40	2850	2700	2550	2400	2250	2150	2050	1950	1900	1800	1700	1600	1550
290x40	3300	3100	2900	2750	2600	2450	2350	2250	2150	2050	1950	1850	1750
145x65	2100	2000	1900	1850	1800	1700	1650	1600	1600	1500	1450	1400	1350
175x65	2500	2400	2300	2250	2150	2100	2000	1950	1900	1850	1750	1700	1650
240x65	3450	3300	3200	3050	2950	2850	2750	2700	2600	2500	2450	2350	2300
290x65	4100	4000	3850	3700	3550	3450	3350	3250	3150	3050	2950	2850	2700

N4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1700	1600	1500	1400	1350	1250	1200	1150	1100	1050	1000	950	900
175x40	2000	1850	1750	1650	1550	1500	1400	1350	1300	1200	1150	1100	1050
240x40	2550	2400	2250	2100	2000	1900	1800	1750	1650	1550	1500	1400	1350
290x40	2900	2750	2600	2450	2300	2200	2100	2000	1900	1800	1700	1650	1550
145x65	2100	2000	1900	1850	1750	1700	1600	1550	1450	1400	1300	1250	1200
175x65	2500	2400	2300	2250	2150	2050	1950	1850	1800	1650	1600	1500	1450
240x65	3450	3300	3200	3050	2950	2850	2700	2600	2500	2350	2250	2100	2050
290x65	4100	4000	3850	3700	3550	3350	3200	3100	2950	2800	2650	2500	2400

C1 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1800	1700	1650	1550	1500	1450	1350	1300	1250	1200	1100	1050	1000
175x40	2150	2050	2000	1850	1750	1650	1600	1550	1450	1400	1300	1250	1200
240x40	2850	2700	2550	2400	2250	2150	2050	1950	1900	1800	1700	1600	1550
290x40	3300	3100	2900	2750	2600	2450	2350	2250	2150	2050	1950	1850	1750
145x65	2100	2000	1900	1850	1800	1700	1650	1600	1600	1500	1450	1400	1350
175x65	2500	2400	2300	2250	2150	2100	2000	1950	1900	1850	1750	1700	1650
240x65	3450	3300	3200	3050	2950	2850	2750	2700	2600	2500	2450	2350	2300
290x65	4100	4000	3850	3700	3550	3450	3350	3250	3150	3050	2950	2850	2700

C2 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1700	1600	1500	1400	1350	1250	1200	1150	1100	1050	1000	950	900
175x40	2000	1850	1750	1650	1550	1500	1400	1350	1300	1200	1150	1100	1050
240x40	2550	2400	2250	2100	2000	1900	1800	1750	1650	1550	1500	1400	1350
290x40	2900	2750	2600	2450	2300	2200	2100	2000	1900	1800	1700	1650	1550
145x65	2100	2000	1900	1850	1750	1700	1600	1550	1450	1400	1300	1250	1200
175x65	2500	2400	2300	2250	2150	2050	1950	1850	1800	1650	1600	1500	1450
240x65	3450	3300	3200	3050	2950	2850	2700	2600	2500	2350	2250	2100	2050
290x65	4100	4000	3850	3700	3550	3350	3200	3100	2950	2800	2650	2500	2400

C3 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1450	1400	1300	1200	1150	1100	1050	1000	950	900	850	800	800
175x40	1750	1650	1500	1450	1350	1300	1250	1200	1150	1050	1000	950	900
240x40	2200	2100	1950	1850	1750	1650	1600	1500	1450	1350	1300	1250	1200
290x40	2500	2350	2200	2050	1950	1850	1750	1700	1650	1550	1450	1400	1300
145x65	1950	1850	1750	1650	1550	1450	1400	1350	1300	1200	1150	1100	1050
175x65	2350	2250	2100	1950	1850	1750	1700	1600	1550	1450	1400	1300	1250
240x65	3300	3150	2950	2750	2600	2500	2350	2250	2200	2050	1950	1850	1750
290x65	3900	3700	3450	3250	3100	2950	2800	2700	2600	2450	2300	2200	2100

Verandah Beams

GL8 Single Span

Roof weight **90kg/m²** | Roof overhang **800mm** | Roof Snow Load **0 kPa**

Loads

Roof	0.9	kPa
Live Load	0.25	kPa
	1.1	kN
Snow Load	0.00	kPa

Deflection limits

Dead Loads	span/400 or 10mm
Live loads	span/250 or 12mm
Wind load	span/200 or 15mm

N5 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1450	1400	1300	1200	1150	1100	1050	1000	950	900	850	800	800
175x40	1750	1650	1500	1450	1350	1300	1250	1200	1150	1050	1000	950	900
240x40	2200	2100	1950	1850	1750	1650	1600	1500	1450	1350	1300	1250	1200
290x40	2500	2350	2200	2050	1950	1850	1750	1700	1650	1550	1450	1400	1300
145x65	1950	1850	1750	1650	1550	1450	1400	1350	1300	1200	1150	1100	1050
175x65	2350	2250	2100	1950	1850	1750	1700	1600	1550	1450	1400	1300	1250
240x65	3300	3150	2950	2750	2600	2500	2350	2250	2200	2050	1950	1850	1750
290x65	3900	3700	3450	3250	3100	2950	2800	2700	2600	2450	2300	2200	2100

N6 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1300	1250	1150	1100	1050	950	950	900	850	800	750	700	700
175x40	1550	1450	1350	1250	1200	1150	1100	1050	1000	950	900	850	800
240x40	1950	1800	1700	1600	1500	1450	1350	1300	1250	1200	1100	1050	1000
290x40	2100	1950	1850	1750	1650	1550	1500	1400	1350	1300	1200	1150	1100
145x65	1700	1600	1500	1400	1350	1250	1200	1150	1100	1050	1000	950	900
175x65	2050	1950	1800	1700	1600	1550	1450	1400	1350	1250	1200	1150	1100
240x65	2850	2700	2500	2350	2250	2100	2000	1950	1850	1750	1650	1550	1500
290x65	3500	3300	3100	2900	2750	2600	2500	2350	2300	2150	2050	1950	1850

C4 wind classification

Verandah width	1200	1800	2400	3000	3600	4200	4800	5400	6000	7000	8000	9000	10000
Beam size													
145x40	1300	1250	1150	1100	1050	950	950	900	850	800	750	700	700
175x40	1550	1450	1350	1250	1200	1150	1100	1050	1000	950	900	850	800
240x40	1950	1800	1700	1600	1500	1450	1350	1300	1250	1200	1100	1050	1000
290x40	2100	1950	1850	1750	1650	1550	1500	1400	1350	1300	1200	1150	1100
145x65	1700	1600	1500	1400	1350	1250	1200	1150	1100	1050	1000	950	900
175x65	2050	1950	1800	1700	1600	1550	1450	1400	1350	1250	1200	1150	1100
240x65	2850	2700	2500	2350	2250	2100	2000	1950	1850	1750	1650	1550	1500
290x65	3500	3300	3100	2900	2750	2600	2500	2350	2300	2150	2050	1950	1850

Posts Supporting Timber Floor and Roof

Glulam Grade GL8 – Dry use

Floor Live Load **2.0 kPa** | Roof weight **20kg/m²**
N3/C2 Wind Classification

Tributary roof area – up to 2.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.75	5.50	4.50	3.90	3.40
140X140	7.00	7.00	7.00	7.00	7.00	6.70	5.80	5.20

Tributary roof area – up to 4.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.75	5.30	4.40	3.80	3.40
140X140	7.00	7.00	7.00	7.00	7.00	6.50	5.70	5.10

Tributary roof area – up to 6.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.70	5.10	4.30	3.70	3.30
140X140	7.00	7.00	7.00	7.00	7.00	6.40	5.60	5.00

Floor Live Load **2.0 kPa** | Roof weight **40kg/m²**
N3/C2 Wind Classification

Tributary roof area – up to 2.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.75	5.40	4.40	3.80	3.40
140X140	7.00	7.00	7.00	7.00	7.00	6.60	5.80	5.20

Tributary roof area – up to 4.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.70	5.10	4.30	3.70	3.30
140X140	7.00	7.00	7.00	7.00	7.00	6.40	5.60	5.10

Tributary roof area – up to 6.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.40	4.90	4.10	3.60	3.30
140X140	7.00	7.00	7.00	7.00	7.00	6.20	5.50	4.90

Sheet Roof – No Ceiling

Tributary roof area – up to 8.0 m2

Tributary floor area (m2)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.50	4.90	4.10	3.60	3.30
140X140	7.00	7.00	7.00	7.00	7.00	6.20	5.50	5.00

Tributary roof area – up to 10.0 m2

Tributary floor area (m2)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.20	4.80	4.00	3.60	3.20
140X140	7.00	7.00	7.00	7.00	7.00	6.10	5.40	4.90

Sheet Roof – No Ceiling

Tributary roof area – up to 8.0 m2

Tributary floor area (m2)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.10	4.70	4.00	3.50	3.20
140X140	7.00	7.00	7.00	7.00	7.00	6.00	5.30	4.80

Tributary roof area – up to 10.0 m2

Tributary floor area (m2)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.50	4.90	4.50	3.90	3.40	3.10
140X140	7.00	7.00	7.00	7.00	6.70	5.80	5.20	4.70

Posts Supporting Timber Floor and Roof Glulam Grade GL8 – Dry use

Floor Live Load **2.0 kPa** | Roof weight **60kg/m²**
N3/C2 Wind Classification

Tributary roof area – up to 2.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.75	5.30	4.40	3.80	3.40
140X140	7.00	7.00	7.00	7.00	7.00	6.60	5.70	5.10

Tributary roof area – up to 4.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.60	5.00	4.20	3.70	3.30
140X140	7.00	7.00	7.00	7.00	7.00	6.30	5.50	5.00

Tributary roof area – up to 6.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.20	4.70	4.00	3.50	3.20
140X140	7.00	7.00	7.00	7.00	7.00	6.00	5.40	4.80

Floor Live Load **2.0 kPa** | Roof weight **90kg/m²**
N3/C2 Wind Classification

Tributary roof area – up to 2.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.75	5.20	4.30	3.80	3.40
140X140	7.00	7.00	7.00	7.00	7.00	6.50	5.70	5.10

Tributary roof area – up to 4.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.75	5.30	4.80	4.10	3.60	3.20
140X140	7.00	7.00	7.00	7.00	7.00	6.10	5.40	4.90

Tributary roof area – up to 6.0 m²

Tributary floor area (m ²)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.40	4.90	4.50	3.90	3.40	3.10
140X140	7.00	7.00	7.00	7.00	6.70	5.80	5.20	4.70

Tile Roof - No Ceiling

Tributary roof area – up to 8.0 m2

Tributary floor area (m2)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.75	5.40	4.90	4.50	3.90	3.40	3.10
140X140	7.00	7.00	7.00	7.00	6.70	5.80	5.20	4.70

Tributary roof area – up to 10.0 m2

Tributary floor area (m2)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.75	5.60	5.10	4.60	4.30	3.70	3.30	3.00
140X140	7.00	7.00	7.00	6.90	6.40	5.60	5.00	4.60

Tile Roof - With Ceiling

Tributary roof area – up to 8.0 m2

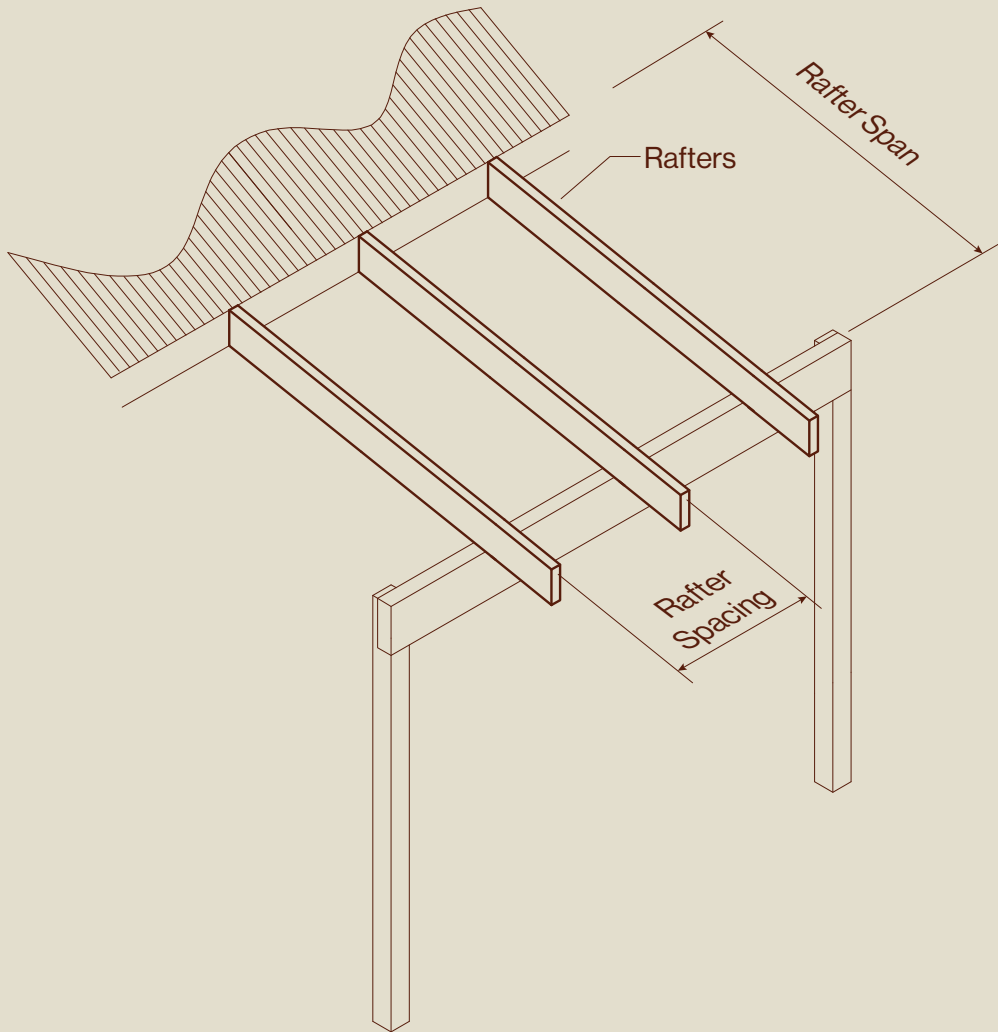
Tributary floor area (m2)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	5.30	5.20	5.00	4.50	4.20	3.70	3.30	3.00
140X140	7.00	7.00	7.00	6.80	6.30	5.50	5.00	4.60

Tributary roof area – up to 10.0 m2

Tributary floor area (m2)	0	1	2	3	4	6	8	10
Maximum post height (m)								
115X115	4.80	4.60	4.50	4.30	4.00	3.50	3.20	2.90
140X140	7.00	6.90	6.70	6.40	5.90	5.30	4.80	4.40

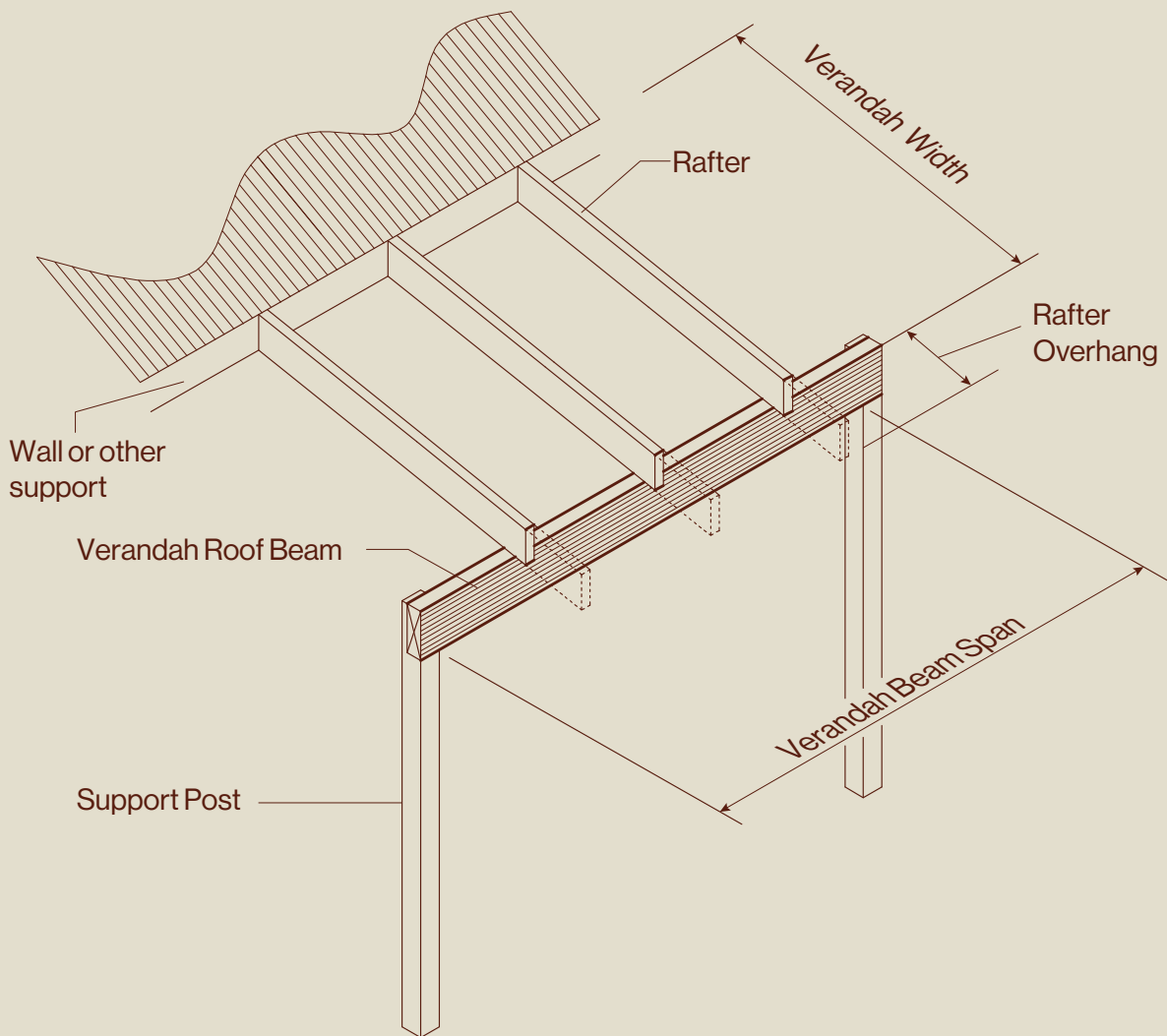
Technical Drawings

Rafters



Technical Drawings

Verandah Roof Beam

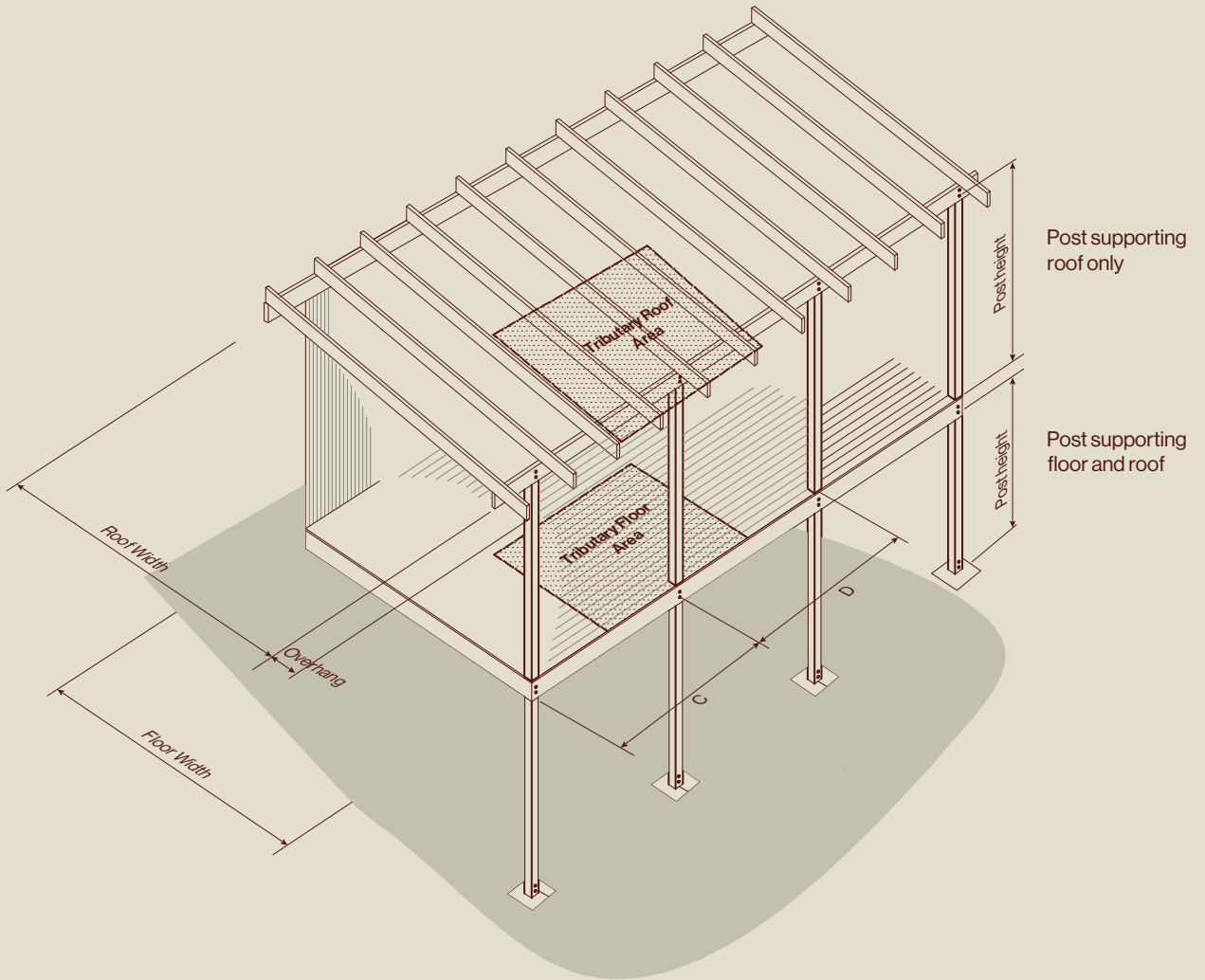


Technical Drawings

Rafters

$$\text{Tributary Roof Area} = (\text{Roof Width}/2 + \text{Overhang}) \times (C+D)/2$$

$$\text{Tributary Floor Area} = (\text{Floor Width}/2) \times (A+B)/2$$



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