TABLE 3.5m Portal Frame Spacings, C200mm & C250mm "C" Section

TABLE 8.A-11deg: Wind Region A, TC2, TC3 & TC4, Maximum Wind Speed = 40.95 m/s

Note: 3.5m portal frame spacings require 4mm thick brackets.

Importance Level: 2	Exceedance Probability: 1:500	Regional Wind Speed:45 m/s	Wind Direction Multiplier:1.0	Terrain Height Multiplier:0.91	Shielding Multiplier:1.0	Topography Multiplier:1.0	Snow Load: NA

Unique Variables:

Bracket Set	8" (200mm), 4mm thick.
C Section	C20024
Mullions	C20024
Top Hat Roof Battens & Wall Girts	TH75100
Bracing/Header	C10019, Apex Brace: 3100mm / Haunch Brace: 1600mm
Max Portal Spacing	3500mm
Minimum Shed Length	6000mm (3 portal Frames)
Max Mullion Spacing	5000mm
Top Hat Batten Spacing	1200mm internal, 900mm ends, maximum centres
Wall Girt Spacing	1500mm, maximum centres
Slab/Strip Footing	400mm wide x 400mm deep 25 Mpa, L8TM4 T&B
Pad Footing	600mm diameter, 850mm deep 25MPa, SL82 T&B
Mullion Footing	600mm diameter, 350mm deep 25MPa, SL82 T&B

Bracket Set	8" (200mm), 4mm thick.
C Section	C25024
Mullions	C25024
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Slab/Strip Footing	400mm wide x 400mm deep 25 Mpa, L8TM4 T&B
Pad Footing	600mm diameter, 850mm deep 25MPa, SL82 T&B
Mullion Footing	600mm diameter, 350mm deep 25MPa, SL82 T&B

Common Variables:

Wind Bracing	M12 4.6/s ϒ BRACING ROD Or 2 Nos. 32x1.2mm G300 STEEL GRADE STRAP BRACE	Bracing/Structural Laps	14g-10x25mm Hex Head SDS Class 4 qty:4 per lap	Bracket Assembly Bolts	M16x40mm 8.8 grade structural bolt assembly, galvanised
Roof Cladding	Custom Orb BMT=0.42	Top Hat and Girts	14g-10x25mm Hex Head SDS Class 4 qty:4 per join	Bracing/Header Bolts	M12x30mm 8.8 grade structural bolt assembly, galvanised
Wall Cladding	Trimdeck BMT=0.42	Roof Cladding	12g-14x45mm Roof Screw Class 4 qty:4 per sheet per batten	Footing Plate Bolts	M16x105mm Claw Wedge Masonary Anchor, galvanised
		Wall Cladding	14g-10x25mm Hex Head Needle Point Class 4 qty:4 per sheet per girt		

Governing Factors:

Minimum wall height	1800mm	Note 1	All dimensions in mm
Maximum average height	5000mm	Note 2	T&B = Top and Bottom
Maximum shed length	99000mm	Note 3	Suitable for lesser wind speeds

Conditions:

1	Does not apply for construction to withstand snow load.
2	Does not apply for construction on the edge of a water body
3	Does not apply for construction on the peak of a hill
4	Does not apply for construction of higher importance level
5	The site wind speed should not exceed the specified wind speed in the table.
6	30% of walls must have wind bracing
7	30% of roof must have wind bracing

11° Bracket Set, Wall Height in mm

Shed Apex Height	0	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250
6250	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	10250	10500	10750	11000	11250	11500	11750	12000	12250	12500	12750	13000	13250	13500	13750
6000	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	10250	10500	10750	11000	11250	11500	11750	12000	12250	12500	12750	13000	13250	13500	13750
5750	2958	3208	3458	3708	3958	4208	4458	4708	4958	5208	5458	5708	5958	6208	6458	6708	6958	7208	7458	7708	7958	8208	8458	8708	8958	9208	9458	9708	9958	10208	10458	10708	10958	11208	11458	11708	11958	12208	12458	12708	12958	13208	13458	13708
5500	2934	3184	3434	3684	3934	4184	4434	4684	4934	5184	5434	5684	5934	6184	6434	6684	6934	7184	7434	7684	7934	8184	8434	8684	8934	9184	9434	9684	9934	10184	10434	10684	10934	11184	11434	11684	11934	12184	12434	12684	12934	13184	13434	13684
5250	2910	3160	3410	3660	3910	4160	4410	4660	4910	5160	5410	5660	5910	6160	6410	6660	6910	7160	7410	7660	7910	8160	8410	8660	8910	9160	9410	9660	9910	10160	10410	10660	10910	11160	11410	11660	11910	12160	12410	12660	12910	13160	13410	13660
5000	2886	3136	3386	3636	3886	4136	4386	4636	4886	5136	5386	5636	5886	6136	6386	6636	6886	7136	7386	7636	7886	8136	8386	8636	8886	9136	9386	9636	9886	10136	10386	10636	10886	11136	11386	11636	11886	12136	12386	12636	12886	13136	13386	13636
4750	2861	3111	3361	3611	3861	4111	4361	4611	4861	5111	5361	5611	5861	6111	6361	6611	6861	7111	7361	7611	7861	8111	8361	8611	8861	9111	9361	9611	9861	10111	10361	10611	10861	11111	11361	11611	11861	12111	12361	12611	12861	13111	13361	13611
4500	2837	3087	3337	3587	3837	4087	4337	4587	4837	5087	5337	5587	5837	6087	6337	6587	6837	7087	7337	7587	7837	8087	8337	8587	8837	9087	9337	9587	9837	10087	10337	10587	10837	11087	11337	11587	11837	12087	12337	12587	12837	13087	13337	13587
4250	2813	3063	3313	3563	3813	4063	4313	4563	4813	5063	5313	5563	5813	6063	6313	6563	6813	7063	7313	7563	7813	8063	8313	8563	8813	9063	9313	9563	9813	10063	10313	10563	10813	11063	11313	11563	11813	12063	12313	12563	12813	13063	13313	13563
4000	2788	3038	3288	3538	3788	4038	4288	4538	4788	5038	5288	5538	5788	6038	6288	6538	6788	7038	7288	7538	7788	8038	8288	8538	8788	9038	9288	9538	9788	10038	10288	10538	10788	11038	11288	11538	11788	12038	12288	12538	12788	13038	13288	13538
3750	2764	3014	3264	3514	3764	4014	4264	4514	4764	5014	5264	5514	5764	6014	6264	6514	6764	7014	7264	7514	7764	8014	8264	8514	8764	9014	9264	9514	9764	10014	10264	10514	10764	11014	11264	11514	11764	12014	12264	12514	12764	13014	13264	13514
3500	2740	2990	3240	3490	3740	3990	4240	4490	4740	4990	5240	5490	5740	5990	6240	6490	6740	6990	7240	7490	7740	7990	8240	8490	8740	8990	9240	9490	9740	9990	10240	10490	10740	10990	11240	11490	11740	11990	12240	12490	12740	12990	13240	13490	13740
3250	2715	2965	3215	3465	3715	3965	4215	4465	4715	4965	5215	5465	5715	5965	6215	6465	6715	6965	7215	7465	7715	7965	8215	8465	8715	8965	9215	9465	9715	9965	10215	10465	10715	10965	11215	11465	11715	11965	12215	12465	12715	12965	13215	13465	13715
3000	2691	2941	3191	3441	3691	3941	4191	4441	4691	4941	5191	5441	5691	5941	6191	6441	6691	6941	7191	7441	7691	7941	8191	8441	8691	8941	9191	9441	9691	9941	10191	10441	10691	10941	11191	11441	11691	11941	12191	12441	12691	12941	13191	13441	13691
2750	2667	2917	3167	3417	3667	3917	4167	4417	4667	4917	5167	5417	5667	5917	6167	6417	6667	6917	7167	7417	7667	7917	8167	8417	8667	8917	9167	9417	9667	9917	10167	10417	10667	10917	11167	11417	11667	11917	12167	12417	12667	12917	13167	13417	13667
2500	2643	2893	3143	3393	3643	3893	4143	4393	4643	4893	5143	5393	5643	5893	6143	6393	6643	6893	7143	7393	7643	7893	8143	8393	8643	8893	9143	9393	9643	9893	10143	10393	10643	10893	11143	11393	11643	11893	12143	12393	12643	12893	13143	13393	13643
2250	2618	2868	3118	3368	3618	3868	4118	4368	4618	4868	5118	5368	5618	5868	6118	6368	6618	6868	7118	7368	7618	7868	8118	8368	8618	8868	9118	9368	9618	9868	10118	10368	10618	10868	11118	11368	11618	11868	12118	12368	12618	12868	13118	13368	13618
2000	2594	2844	3094	3344	3594	3844	4094	4344	4594	4844	5094	5344	5594	5844	6094	6344	6594	6844	7094	7344	7594	7844	8094	8344	8594	8844	9094	9344	9594	9844	10094	10344	10594	10844	11094	11344	11594	11844	12094	12344	12594	12844	13094	13344	13594
1750	2570	2820	3070	3320	3570	3820	4070	4320	4570	4820	5070	5320	5570	5820	6070	6320	6570	6820	7070	7320	7570	7820	8070	8320	8570	8820	9070	9320	9570	9820	10070	10320	10570	10820	11070	11320	11570	11820	12070	12320	12570	12820	13070	13320	13570
1500	2545	2795	3045	3295	3545	3795	4045	4295	4545	4795	5045	5295	5545	5795	6045	6295	6545	6795	7045	7295	7545	7795	8045	8295	8545	8795	9045	9295	9545	9795	10045	10295	10545	10795	11045	11295	11545	11795	12045	12295	12545	12795	13045	13295	13545
1250	2521	2771	3021	3271	3521	3771	4021	4271	4521	4771	5021	5271	5521	5771	6021	6271	6521	6771	7021	7271	7521	7771	8021	8271	8521	8771	9021	9271	9521	9771	10021	10271	10521	10771	11021	11271	11521	11771	12021	12271	12521	12771	13021	13271	13521
1000	2497	2747	2997	3247	3497	3747	3997	4247	4497	4747	4997	5247	5497	5747	5997	6247	6497	6747	6997	7247	7497	7747	7997	8247	8497	8747	8997	9247	9497	9747	9997	10247	10497	10747	10997	11247	11497	11747	11997	12247	12497	12747	12997	13247	13497
750	2472	2722	2972	3222	3472	3722	3972	4222	4472	4722	4972	5222	5472	5722	5972	6222	6472	6722	6972	7222	7472	7722	7972	8222	8472	8722	8972	9222	9472	9722	9972	10222	10472	10722	10972	11222	11472	11722	11972	12222	12472	12722	12972	13222	13472
500	2448	2698	2948	3198	3448	3698	3948	4198	4448	4698	4948	5198	5448	5698	5948	6198	6448	6698	6948	7198	7448	7698	7948	8198	8448	8698	8948	9198	9448	9698	9948	10198	10448	10698	10948	11198	11448	11698	11948	12198	12448	12698	12948	13198	13448
250	2424	2674	2924	3174	3424	3674	3924	4174	4424	4674	4924	5174	5424	5674	5924	6174	6424	6674	6924	7174	7424	7674	7924	8174	8424	8674	8924	9174	9424	9674	9924	10174	10424	10674	10924	11174	11424	11674	11924	12174	12424	12674	12924	13174	13424
0	2400	2650	2900	3150	3400	3650	3900	4150	4400	4650	4900	5150	5400	5650	5900	6150	6400	6650	6900	7150	7400	7650	7900	8150	8400	8650	8900	9150	9400	9650	9900	10150	10400	10650	10900	11150	11400	11650	11900	12150	12400	12650	12900	13150	13400	13650

Shed Width

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