



COLORBEAM® FLAT ROOF SPAN TABLES

Non Cyclonic Areas

Carports → Awnings → Patios → Verandahs

COLORBEAM
FOR HOME IMPROVEMENTS

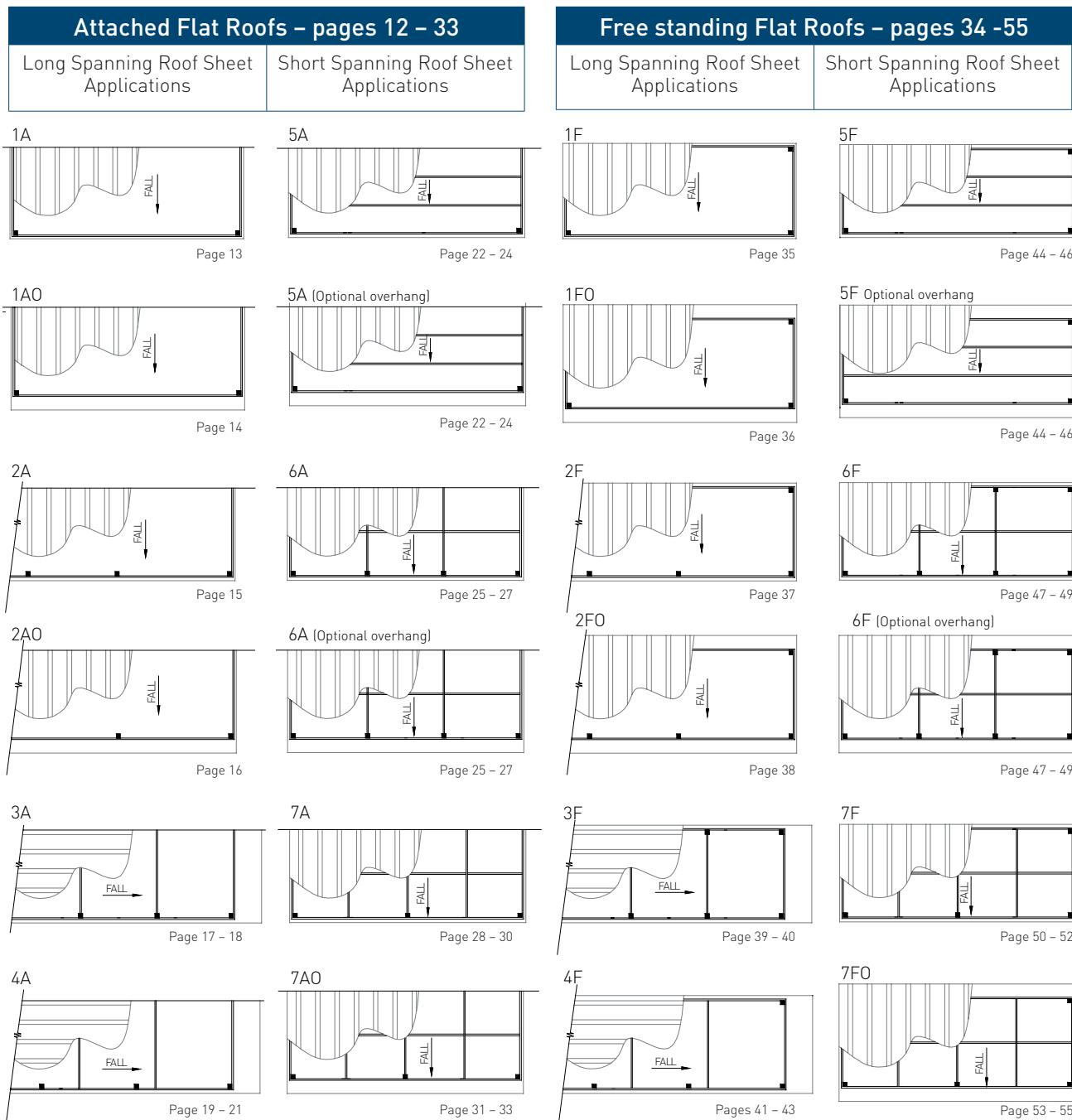
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How to Use Span Tables	Page 9

Key

A = Attached
 AO = Attached with roof sheet overhang
 F = Free standing
 FO = Free standing with roof sheet overhang

Colorbeam® Span Tables

For ease of use span tables have been categorised into typical applications for long and short spanning roof sheets.





Engineering Certification

Spantec Systems Pty. Ltd.
PO Box 81
Mittagong, NSW, 2575

Structural Assessment of Spantec Colorbeam® Flat Roof Span Tables

This assessment has been certified by the Spantec Structural Engineer for the structural selection programs and span tables as described in Spantec Systems publication

Colorbeam Flat Roof Span Tables – FRT – 1.2 October 2015

I consider that these tables comply with the following structural provisions on the National Construction Code of Australia (NCC) 2019:

- Volume One, Structural Provisions - part B1.4
- Volume Two, Steel Framing - Part 3.4.2

The assessment considered the following:

- The design programs to determine the values of beam load width, beam spacing, member span, and connection capacity to calculate the span tables in the publication, comply with generally accepted engineering principles and these following Australian Standards:
 - AS 1170.0:2002 Structural design actions – Part 0: General Principles
 - AS 1170.0:2002 Structural design actions – Part 1: Permanent Imposed and other actions
 - AS 1170.2:2002 Structural design actions – Part 2: Wind Actions
 - AS 4055-2012 Wind Loads for Housing
 - AS 4600:2018 Cold-formed Steel Structures
 - AS 3566.1-2002 Self drilling screws for the building and construction industries – Part 1 General requirements and mechanical properties
 - NASH Standard: 2005 Residential and Low-rise Steel Framing – Part 1: Design criteria
 - AS 1397:2011- Steel Sheet and Strip Hot Dipped Zinc Coated or Aluminum/Zinc coated
- The design capacities of: Bending (M_b) Shear (V_v) and Bearing (R_b) have been determined in accordance with engineering calculations, Laboratory testing and Australian Standard AS 4600 Cold-formed Steel Structures.
- The Ultimate Limit Strength and Serviceability limits of the Colorbeam members have been determined using AS 1170.0, AS 4600 Cold-formed Steel Structures and in-house testing.
- The wind actions for Strength and Serviceability limits have been determined using AS 1170.2:2002 and AS 4055:2012 Wind Load on Housing.

This certification may be considered as "Evidence of Suitability" under the National Construction Code of Australia (NCC), Volume One Clause A2.2 Performance Solutions. Information in the Spantec Systems publication not specifically referenced in this certification is outside the scope of this assessment. This certification does not relieve other parties of their duties and responsibilities. The tables describe many different structures and any specific structure should be fully described with geometry and loading.

The span tables are part of a system which includes the Spantec Colorbeam brackets and fixing.

The system can be considered complete for its intended purpose provide that:

- Connections, fixings and details are in accordance with system specifications, documentation and drawings which must be verified by the certifier
- Supporting structure is stable, able to withstand the wind uplift, beam reactions and separately certified
- The beams are installed in accordance with the designs and professional building standards

Peter J. Barreca

27 Oct 2020

Civil & Structural Engineer BEng. MIE Aust CPEng NER No. 353640

Spantec Systems Pty Ltd

General

These span tables have been prepared for the use of Spantec Colorbeam® in a range of free standing and attached verandah, patio, awning and carport designs.

Australian Standards

The structural sections comply with the following Australian Standards.

- AS/NZS 4600 - 2005 Cold-formed Steel Structures
- AS/NZ 1170.1 2002 Structural design actions – Permanent imposed and other actions
- AS/NZ 1170.2 2011 Structural design actions – Wind actions
- AS 3566.1 - 2002 Self Drilling Screws
- AS 4055 - 2012 Wind Loads for Housing.

All other proprietary products to be in accordance with the manufacturers specifications

Load Combinations

The following load combinations have been used:

Dead Load

0.1kpa – this does not allow for ceilings

Live Load

Colorbeam® span tables are designed for non-trafficable roofs.

Use crawl boards during installations – see 'Working with Colorbeam®'.

Wind Load

Span tables have been designed for five Wind Classification regions:

N1 (W28), N2 (W33), N3 (W41), N4 (W50), N5 (W60)

Serviceability

Dead Load: Span/300

Wind Load: Span/150

Maximum deflection has been limited to 20mm.

Freestanding or Attached

For the purposes of these tables, roofs are deemed to be freestanding unless they are attached to an existing structure by at least 50% of their shortest side and the longest side does not exceed twice the length of the shortest side.

Open Structures (Not Enclosed)

These span tables are to be used for structures that fall within the definition of "open" buildings - i.e. two or more sides "open" (roof cladding adjacent to an open side to be at least 500mm from adjacent building or boundary).

Non Cyclonic Area

These span tables are for use in non cyclonic areas as defined by AS 1170.2 - 2011

Connections

Connections require the use of brackets with the minimum number of screws specified in the Colorbeam® span tables.

Roof Pitch

Use recommended minimum roof pitches as specified by roof sheet supplier. Flat roof span tables allow for a maximum roof pitch of 5°.

Posts

These span tables are designed for a minimum post size of 50 x 50 x 2.5mm up to a maximum height of 3.0m.

Spantec has prepared these tables for use by people skilled in the design and specification of the type of structures covered. Spantec accepts no responsibility for misinterpretation of the information provided or omissions. Users should satisfy themselves as to the suitability of the span tables for their applications.

Colorbeam®

Spantec Colorbeam® is a cold formed structural 'box-section' beam manufactured from two high tensile zinc coated 'C'-sections which are fixed together by countersunk rivets on the top and bottom flanges to form a rectangular hollow section. This uniquely engineered section provides benefits of superior structural performance in a light weight beam. Coupled with full zinc protective coating both internally and externally and a wide range of specialised fixing brackets, Colorbeam® provides a highly adaptable framing system.

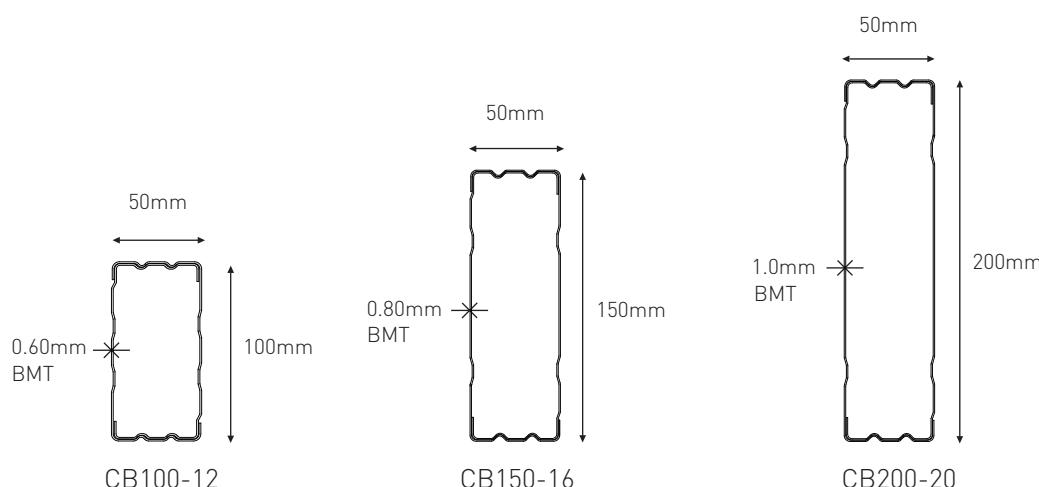
The information contained in this manual demonstrates the use of Colorbeam® as roof members in home improvement applications such as patios, carports, awnings and verandahs.

Material Specifications

Colorbeam® is made from galvanised high tensile steel complying with AS1397-2011 G550 and has a zinc coating of 275g/m². Base metal thicknesses are 0.6, 0.8 and 1.00mm.

Identification

There are three standard Colorbeam® identified by a standard marking systems as follows.



Product Description (Colorbeam)	Depth of section (mm)	Material Gauge
CB	100	Total thickness of metal at the Flange = 2 x Base metal thickness (BMT) x 10

Section	Dimensions D x W (mm)	BMT Base Material Thickness (mm)	Mass (kg/m)
CB100-12	100 x 50	0.6	2.13
CB150-16	150 x 50	0.8	3.50
CB200-20	200 x 50	1.0	5.10

Tolerances

Depth (mm) ± 1.0
 Width (mm) ± 1.0
 Length (mm) +1.0, -3.0

Storage and handling

Keep Colorbeam® dry and clear of the ground. If pack becomes wet, separate the beams, wipe them with a cloth and restack so they will dry thoroughly. Handle material carefully. Painted surfaces will scratch if tools or other beams are dragged over them.

Cutting

The best way to cut Colorbeam® is with a cold cutting circular saw such as the Makita model 4130. Alternatively a conventional circular saw with a metal cutting friction blade may be used but more care needs to be taken to ensure that the hot particles do not strike the Colorbeam®. Ensure that all swarf is removed by the end of the day to ensure that rust stains do not affect construction surfaces.

Corrosive Environments

Products exposed to coastal environments (within 1km of breaking surf) and heavy industrial areas may require an additional protective coating to extend the product's service life. For further information please refer to the BCA 2014, volume 2 part 3.4.2.2 and seek advice from an engineer.

Compatibility of other materials

Colorbeam® should not be used in direct contact with green timber or some chemically treated timbers such as copper arsenates. Colorbeam® should not be used in contact with bare steel as the zinc coating could be consumed by the corrosion of the steel. Also do not use in contact with lead or copper or water run-off from these metals.

Connections to Post bases/Footings

Connection of posts to base plates, base plates to footings or slabs to be certified by a structural engineer.

Supporting Structures

The capability of supporting structures and the suitability of the method of connection of attached roofs should be determined by a structural engineer.

Crawl Boards

Crawl boards are recommended for the installation or maintenance of roofing. Temporary support or beams at mid span is recommended to ensure structure is not deflected by temporary loads when fixed.

Solvents and Acids

Care should be taken to keep solvents and acids (such as brick cleaning acids) away from painted or galvanised steel products.

Plastic Protective Film.

Some Colorbeam® sections are supplied with a plastic film. This should be removed at the time of installation.

Stock Lengths

CB100-12	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m	7.5m	8.0m	9.0m
CB150-16	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m	7.5m	8.0m	9.0m
CB200-20	4.0m		5.0m		6.0m		7.0m		8.0m	9.0m

Connections for roof frames

Colorbeam® comes with a comprehensive range of brackets. In designing these brackets care has been taken to maintain the clean lines of Colorbeam® and to allow for construction tolerances.

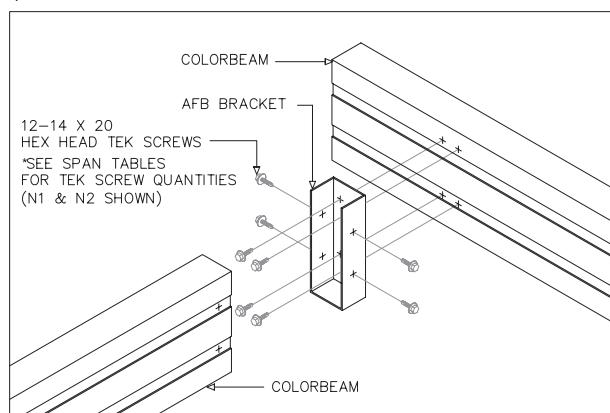
Brackets may be fixed with Class 3 self drilling metal Tek-screws with hitek drill points to AS 3566. Minimum size Tek-screws 10-16x16. The minimum edge distance for screw holes is 10mm and minimum centre to centre distance is 15mm.

For each bracket connection, use the required number screws nominated on each span table. The purlin to rafter example below (detail 1) shows 8 screws in total per bracket connection for N1 and N2 wind categories.

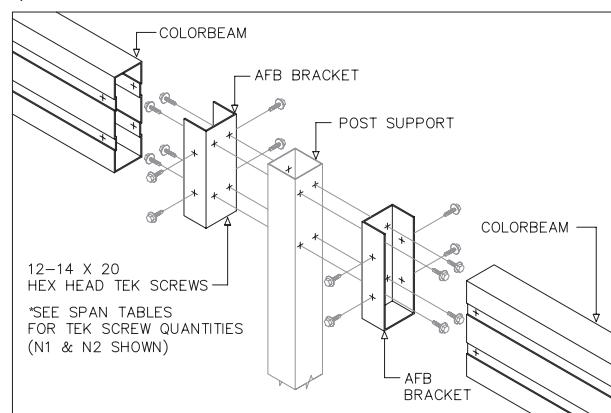
Note: 50% of screws fixed to sides of brackets.

Standard Connections

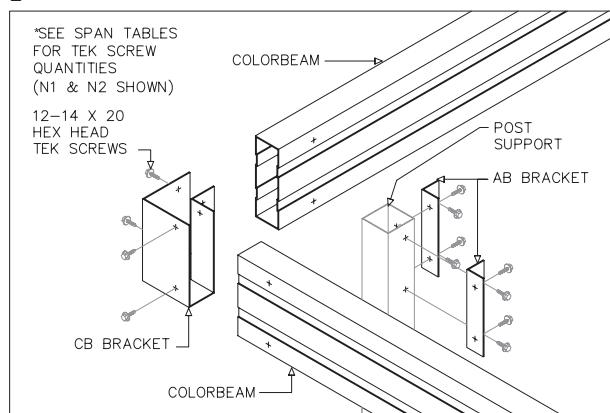
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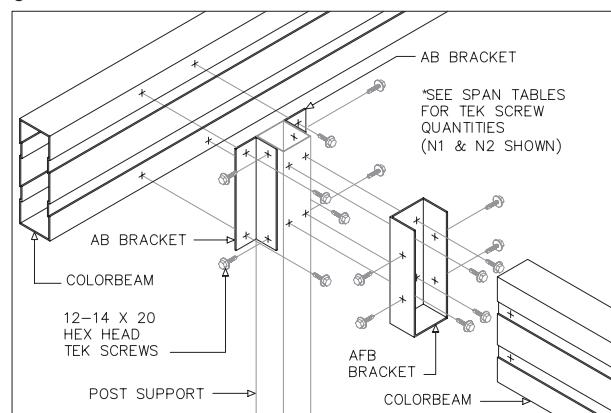
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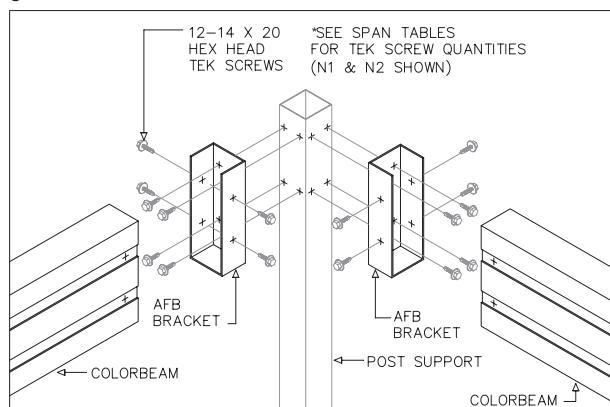
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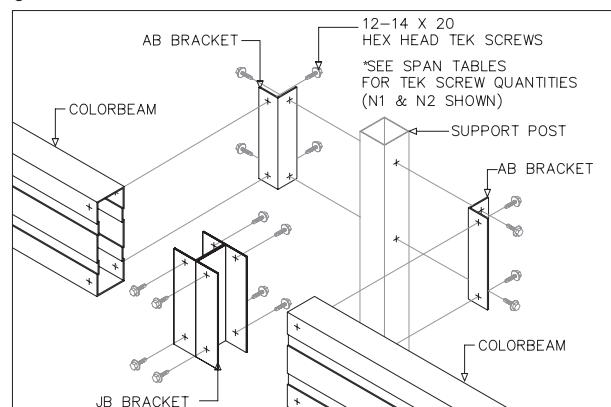
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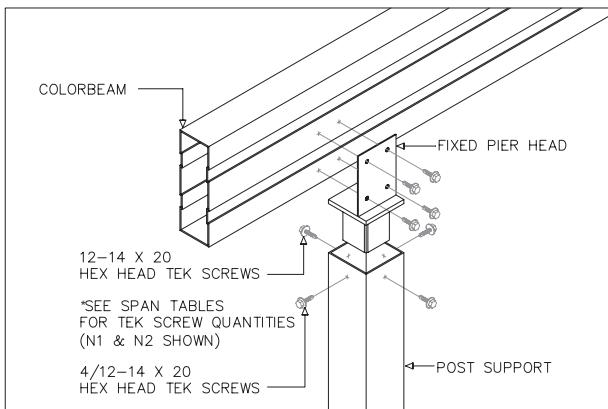
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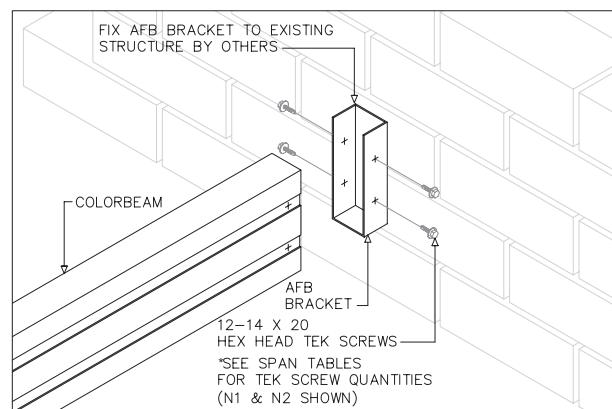
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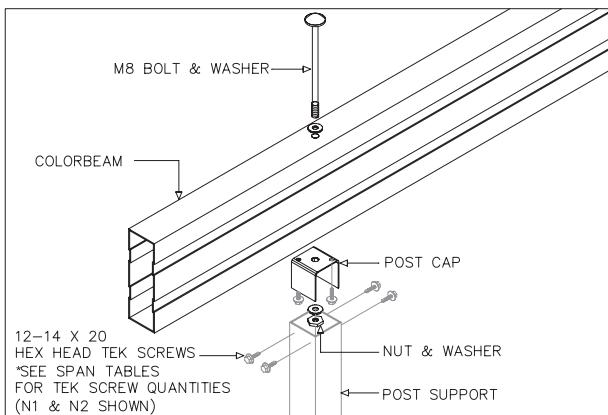
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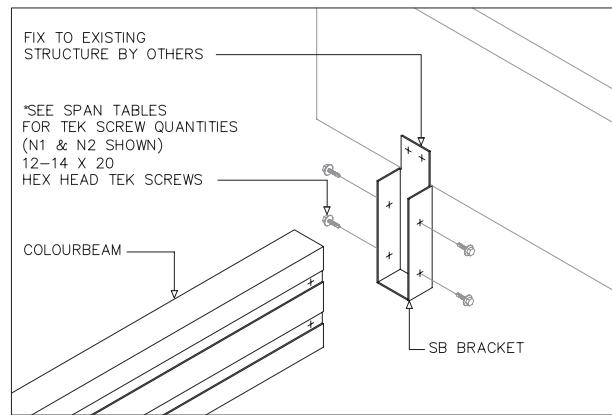
9



8



10



Each span table has an associated drawing showing roof members in each application. A summary of these can be found in the contents. To start, find the appropriate application in the contents for your project then refer to the span tables on the page indicated.

Below is an overall drawing legend with descriptions of spans and spacings of roof members. There are some variations so please refer to individual span tables for specifics.

W	Awnning frame width. The same column is used for the roof members in the same direction. In most applications this is the Rafter span.
X	Maximum Fascia Beam Span, can also be used as Post spacing
R	Maximum Rafter spacing also used for Maximum Purlin span
P	Maximum Purlin spacing. This column of numbers go up to a maximum of 4500 allowing for long spanning roof sheets. See roof sheet manufacturers for spans on roof sheets.
FBO	Maximum Fascia Beam Overhang – See span tables for overhangs in the required applications.
RO	Maximum Roof Sheet Overhang. Tables with roof sheet overhangs allow for a 600mm maximum roof sheet overhang except for types 5 and 6.

Examples

1. Attached Verandah – N1 wind category

Requirements: 3600mm wide x 6000mm long verandah with a roof sheet overhang of 600mm. Long spanning roof sheet will be used to clear span from house to fascia beam. Two posts on either end are preferred to support the verandah.

Need to determine:

Rafter Beam size: (W on drawings)

Fascia Beam size: (X on drawings)

Solution

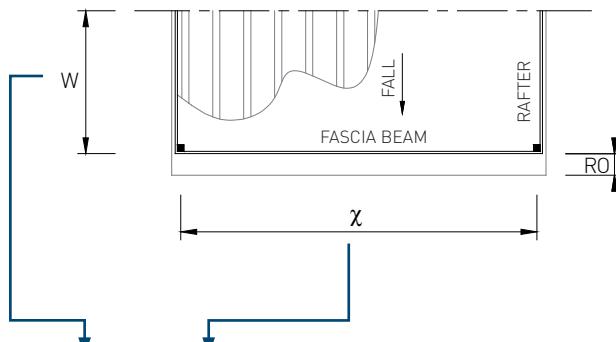
Attached flat roof 1AO, page 14.

CB150-16 Beam span table used

W = 3600 (Width of Frame / Rafter span)

X = 6410 (Fascia Beam span)

The CB150-16 beam achieves the 6000mm span for the fascia beam and can be used for the rafters. Rafters can be omitted as they are not structural in the application.



CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	X				
1500	7500	6959	5689	4612	3817
1800	7314	6719	5397	4376	3621
2100	7141	6509	5146	4172	3452
2400	6988	6242	4927	3994	3305
2700	6849	5998	4734	3838	3176
3000	6701	5779	4562	3698	3060
3300	6549	5583	4407	3573	2956
3600	6410	5406	4267	3459	2862
3900	6232	5245	4140	3356	2777
4200	6057	5097	4023	3261	2699
4500	5895	4961	3916	3174	2627
FBO	1200	800	1107	1099	986
Screws Req'd	8	8	12	12	20

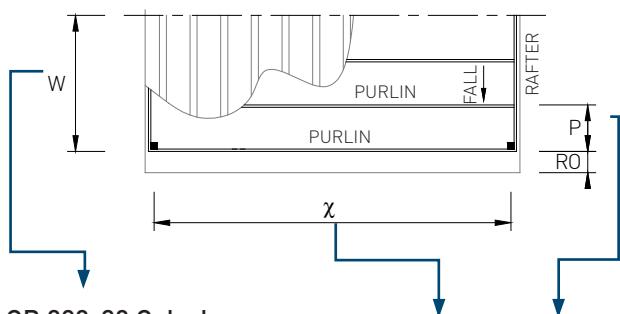
2. Attached Verandah – N2 wind category

Requirements: 6000mm wide x 6000mm long verandah with a roof sheet overhang if possible. The maximum span of roof sheet is 1200mm. Two posts on either end are preferred to support the verandah.

Need to determine:

Rafter Beam size: (W = rafter span)

Purlin Beam size: (χ = purlin span / rafter spacing)
(P = purlin spacing to equal 1200mm or greater)



CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)			
	N1 (W28)		N2 (W33)	
	X	P	X	P
1500	9000	1698	9000	1620
1800	9000	1698	9000	1620
2100	9000	1698	9000	1620
2400	9000	1698	9000	1620
2700	9000	1698	9000	1620
3000	9000	1698	9000	1620
3300	9000	1698	9000	1620
3600	9000	1698	9000	1620
3900	9000	1698	9000	1620
4200	9000	1698	9000	1620
4500	9000	1698	9000	1620
4800	9000	1698	9000	1620
5100	9000	1698	9000	1620
5400	9000	1698	9000	1620
5700	9000	1698	9000	1620
6000	9000	1698	8441	1963
6300	9000	1698	7657	2592
6600	9000	1698	6976	3122
6900	9000	1698	6383	3730
7200	8277	2373	5862	4422
7500	7041	4328	5402	4500
7800	6019	4500	4977	4500
8100	5175	4500	4444	4500
8400	4475	4500	3985	4500
8700	3889	4500	3587	4500
9000	3396	4500	3240	4500
Screws Req'd	8		8	

Solution

Attached flat roof 5A, page 23.

CB200-20 Beam span table used

$W = 6000$ (Rafter span / Width of Frame)

$\chi = 8441$ (Purlin span / Rafter spacing)

$P = 1963$ (Maximum Purlin spacing)

The CB200-20 beams as purlins easily achieve the span and spacing required therefore we can potentially look at using a smaller beam for the purlins, i.e. CB150-16 beam. On the CB150-16 table page..., if you look under the (N2/W33) column for a ' χ ' value (purlin span) 6000 or greater you will find the 6089. Then check the maximum purlin spacing next column on the right which is 1892mm. This confirms that the CB150-16 beam as a purlin can span 6000mm at greater than 1200mm spacing for this application.

Roof Sheet Overhang: The beams chosen above can support the required 1200mm (max) roof sheet span. 1200mm fits evenly 5 times across the 6m width therefore purlins can be spaced at 1200mm. The roof sheet overhang is 25% of the actual purlin spacing used for this application.

25% x 1200mm = 300mm roof sheet overhang.

CB 150-16 Colorbeam - option for purlins only

W	MAXIMUM ALLOWABLE SPAN (mm)			
	N1 (W28)		N2 (W33)	
	X	P	X	P
1500	7500	654	7500	624
1800	7500	654	7500	624
2100	7500	654	7500	624
2400	7500	654	7500	624
2700	7500	654	7500	624
3000	7500	654	7500	624
3300	7500	654	7500	624
3600	7500	654	7500	624
3900	7500	654	7500	624
4200	7500	654	7500	905
4500	7500	654	6928	1368
4800	7500	785	6089	1892
5100	7500	1276	5394	2411
5400	6793	2015	4811	3031
5700	6097	2664	4318	3762
6000	5502	3271	3897	4500
6300	4991	3976	3535	4500
6600	4397	4500	3165	4500
6900	3787	4500	2770	4500
7200	3194	4500	2438	4500
7500	2713	4500	2157	4500
7800	2319	4500	1918	4500
8100	1994	4500	1712	4500
8400	1724	4500	1535	4500
8700	1498	4500	1382	4500
9000	1308	4500	1248	4500
Screws Req'd	8		8	

3. Free-standing Carport – N3 wind category

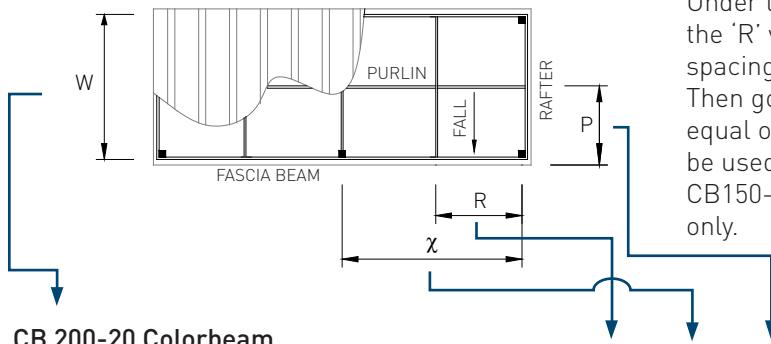
Requirements: 6.0m wide x 8.0m long carport with maximum roof sheet span of 2100mm and no overhang. A maximum of three posts on either side is preferred to support the carport. This will require an 'X' value of at least 4000 (1/2 x overall length 8000)

Need to determine:

Rafter Beam size: (W = rafter span to be → 6000)
(R = rafter spacing to be → 2000)

Fascia Beam size: (X = fascia beam span to be → 4000)

Purlin Beam size: (P = max purlin spacing to be → 2100)



Solution

Free-standing flat roof 7F, pages 48-52.

CB200-20 Beam span table used

W = 6000 (Rafter span / Width of Frame)

R = 3078 (Rafter spacing / purlin span)

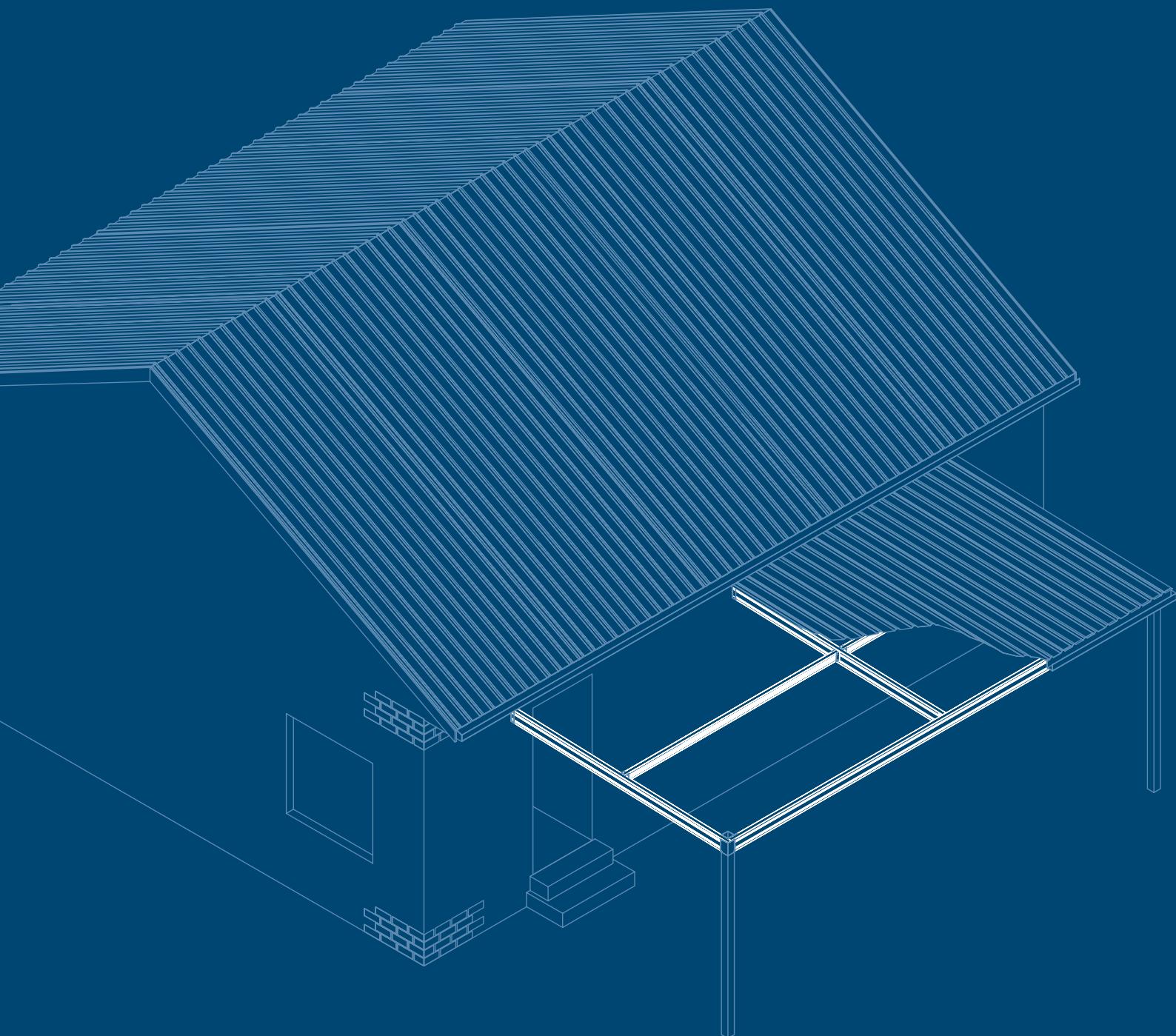
X = 6077 (Fascia beam span / column spacing)

P = 4500 (Maximum Purlin spacing)

The CB200-20 beams exceed all the required spans and spacing required, so they can be used for any of the roof members. If you choose to go back to see if the 100 or 150 beams will achieve the spans and spacing you find that the only roof member that can be substituted is the purlin.

We require a minimum 2000mm purlin span. Under the N3 column look down the column with the 'R' values (used for both purlin span and rafter spacing) to find a value equal or greater than 2000. Then go across to the 'P' value under N3 if it is equal or greater than 2100 spacing required it can be used. In this application both CB100-12 and CB150-16 can be used as substitutes for purlins only.

W	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	9000	9000	1698	9000	9000	1698	9000	9000	1215	9000	9000	817	9000	8129	n/a
1800	9000	9000	1698	9000	9000	1698	9000	9000	1215	9000	8714	817	9000	7420	n/a
2100	9000	9000	1698	9000	9000	1698	9000	9000	1215	9000	8277	817	9000	6870	n/a
2400	9000	9000	1698	9000	9000	1698	9000	9000	1215	9000	7775	817	8603	6426	649
2700	9000	9000	1698	9000	9000	1698	9000	8689	1215	9000	7330	817	6798	6059	1072
3000	9000	9000	1698	9000	9000	1698	9000	8389	1215	8060	6954	1117	5506	5748	1635
3300	9000	9000	1698	9000	9000	1698	9000	8127	1215	6661	6630	1635	4551	5480	2393
3600	9000	8869	1698	9000	8869	1698	8550	7846	1417	5597	6348	2315	3824	5247	3389
3900	9000	8694	1698	8732	8694	1916	7285	7538	2088	4769	6099	3189	3258	5041	4500
4200	9000	8534	1698	8108	8534	2564	6281	7264	2808	4112	5877	4290	2809	4858	4500
4500	9000	8388	1698	7568	8388	3127	5472	7018	3701	3582	5678	4500	2447	4693	4500
4800	8500	8254	2134	7095	8254	3558	4809	6795	4500	3148	5498	4500	2151	4544	4500
5100	8000	8130	2720	6678	8124	4016	4260	6592	4500	2789	5334	4500	1905	4408	4500
5400	7358	8014	3801	6141	7970	4500	3800	6406	4500	2488	5183	4500	1699	4284	4500
5700	6603	7907	4500	5512	7828	4500	3410	6235	4500	2233	5045	4500	n/a	4170	4500
6000	5960	7806	4500	4974	7695	4500	3078	6077	4500	2015	4917	4500	n/a	4064	4500
6300	5406	7711	4500	4512	7540	4500	2792	5931	4500	1828	4799	4500	n/a	3966	4500
6600	4925	7622	4500	4111	7367	4500	2544	5795	4500	1665	4688	4500	n/a	3875	4500
6900	4506	7538	4500	3761	7205	4500	2327	5667	4500	n/a	4585	4500	n/a	3790	4500
7200	4139	7458	4500	3454	7053	4500	2137	5548	4500	n/a	4489	4500	n/a	3710	4500
7500	3520	7383	4500	3184	6910	4500	1970	5436	4500	n/a	4398	4500	n/a	3635	4500
7800	3009	7212	4500	2881	6776	4500	1821	5330	4500	n/a	4313	4500	n/a	3565	4500
8100	251	7010	4500	2572	6650	6650	16	5231	4500	n/a	4232	4500	n/a	3400	4500
								5136	150	156	4500			4500	500



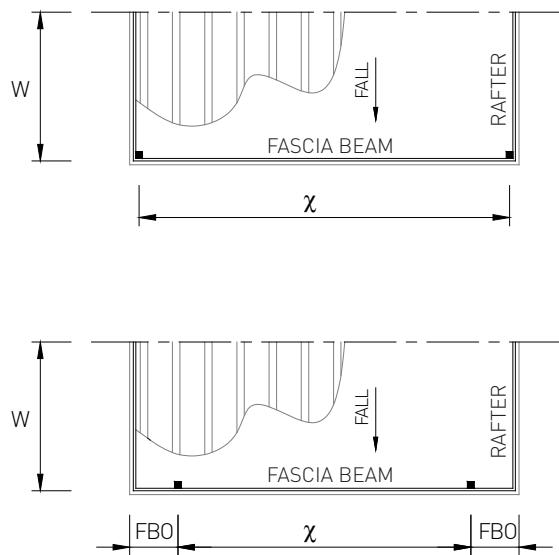
COLORBEAM® FLAT ROOF SPAN TABLES

Roof Beams for Attached Flat Roofs

Carports → Awnings → Patios → Verandahs

**Roof Sheet – Single Span
Fascia Beam – Single Span**
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	6000	5600	4800	4000	3300
1800	5800	5200	4500	3700	3000
2100	5500	5000	4200	3400	2800
2400	5300	4700	3900	3200	2600
2700	5100	4600	3700	3000	2500
3000	4900	4400	3500	2800	2300
3300	4800	4200	3300	2700	2200
3600	4600	4100	3200	2600	2100
3900	4500	3900	3100	2500	2000
4200	4400	3700	2900	2400	2000
4500	4300	3600	2800	2300	1900
FBO	700	700	700	700	700
Screws Req'd	8	8	12	12	20

**CB 150-16 Colorbeam**

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	7500	7500	7325	6188	5120
1800	7500	7500	6893	5649	4674
2100	7500	7500	6451	5230	4328
2400	7500	7238	6034	4892	4048
2700	7500	6959	5689	4612	3817
3000	7314	6719	5397	4376	3621
3300	7141	6509	5146	4172	3452
3600	6988	6242	4927	3994	3305
3900	6849	5998	4734	3838	3176
4200	6701	5779	4562	3698	3060
4500	6549	5583	4407	3573	2956
FBO	1200	1200	1200	1200	1200
Screws Req'd	8	8	12	12	20

Drawing Legend

W:	Awnning frame width or rafter span
χ :	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- Rafters (side beams) are not structural in this application and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing ' χ ' is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	9000	9000	9000	8819	7536
1800	9000	9000	9000	8299	6880
2100	9000	9000	8999	7697	6369
2400	9000	9000	8607	7200	5958
2700	9000	9000	8275	6788	5617
3000	9000	9000	7944	6440	5329
3300	9000	8945	7574	6140	5081
3600	8869	8689	7252	5879	4865
3900	8694	8461	6967	5648	4674
4200	8534	8254	6714	5443	4504
4500	8388	8067	6486	5258	4351
FBO	1800	1800	1800	1800	1800
Screws Req'd	8	8	12	12	20

CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	5100	4600	3700	3000	2500
1800	4900	4400	3500	2800	2300
2100	4800	4200	3300	2700	2200
2400	4600	4100	3200	2600	2100
2700	4500	3900	3100	2500	2000
3000	4400	3700	2900	2400	2000
3300	4300	3600	2800	2300	1900
3600	4200	3500	2800	2200	1800
3900	4000	3400	2700	2200	1800
4200	3900	3300	2600	2100	1700
4500	3800	3200	2500	2000	1700
FBO	700	487	700	700	613
Screws Req'd	8	8	12	12	20

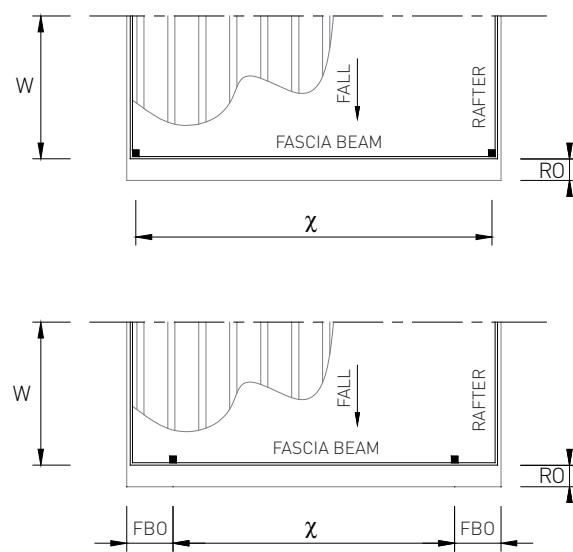
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	7500	6959	5689	4612	3817
1800	7314	6719	5397	4376	3621
2100	7141	6509	5146	4172	3452
2400	6988	6242	4927	3994	3305
2700	6849	5998	4734	3838	3176
3000	6701	5779	4562	3698	3060
3300	6549	5583	4407	3573	2956
3600	6410	5406	4267	3459	2862
3900	6232	5245	4140	3356	2777
4200	6057	5097	4023	3261	2699
4500	5895	4961	3916	3174	2627
FBO	1200	800	1107	1099	986
Screws Req'd	8	8	12	12	20

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	9000	9000	8275	6788	5617
1800	9000	9000	7944	6440	5329
2100	9000	8945	7574	6140	5081
2400	8869	8689	7252	5879	4865
2700	8694	8461	6967	5648	4674
3000	8534	8254	6714	5443	4504
3300	8388	8067	6486	5258	4351
3600	8254	7895	6280	5091	4213
3900	8130	7719	6093	4939	4087
4200	8014	7502	5921	4800	3972
4500	7907	7302	5763	4672	3866
FBO	1800	1418	1800	1800	1620
Screws Req'd	8	8	12	12	20

Roof Sheet – Single Span with Overhang Fascia Beam – Single Span



Drawing Legend

W:	Awnning frame width or rafter span
X:	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang
RO:	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang. For overhangs greater than 600mm and up to 900mm (see note)

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- Rafters (side beams) are not structural in this application and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing 'X' is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.
- For applications requiring 900mm roof sheet overhang multiply;
 - X values by .90
 - FBO values by .70

CB 100-12 Colorbeam

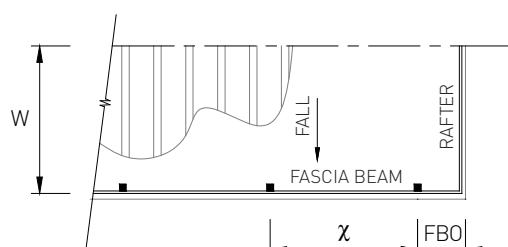
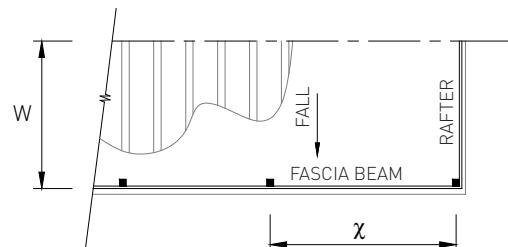
W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	6000	6000	4900	4000	3300
1800	6000	5700	4500	3600	3000
2100	6000	5300	4200	3400	2800
2400	5900	5000	3900	3100	2600
2700	5600	4700	3700	3000	2400
3000	5300	4400	3500	2800	2300
3300	5000	4200	3300	2700	2200
3600	4800	4000	3200	2500	2100
3900	4600	3900	3000	2400	2000
4200	4400	3700	2900	2300	1900
4500	4300	3600	2800	2300	1900
FBO	700	700	700	700	700
Screws Req'd	8	8	12	12	20

CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	7500	7500	7320	5970	4952
1800	7500	7500	6627	5411	4490
2100	7500	7500	6084	4974	4129
2400	7500	6963	5644	4620	3837
2700	7500	6489	5277	4324	3593
3000	7479	6086	4965	4073	3386
3300	7073	5737	4695	3856	3207
3600	6717	5431	4458	3666	3051
3900	6401	5159	4248	3497	2912
4200	6118	4916	4060	3347	2787
4500	5863	4697	3891	3210	2675
FBO	1200	1200	1200	1200	1200
Screws Req'd	8	8	12	12	20

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	9000	9000	9000	8816	7311
1800	9000	9000	9000	7996	6633
2100	9000	9000	9000	7355	6104
2400	9000	9000	8358	6835	5675
2700	9000	9000	7821	6403	5318
3000	9000	9000	7364	6035	5015
3300	9000	8543	6969	5717	4753
3600	9000	8095	6622	5439	4523
3900	9000	7698	6315	5192	4320
4200	9000	7342	6040	4971	4138
4500	8727	7021	5792	4772	3973
FBO	1800	1800	1800	1800	1800
Screws Req'd	8	8	12	12	20

Roof Sheet – Single Span
Fascia Beam – Continuous Span

Drawing Legend

W:	Awning frame width or rafter span
χ :	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- Rafters (side beams) are not structural in this application and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

CB 100-12 Colorbeam

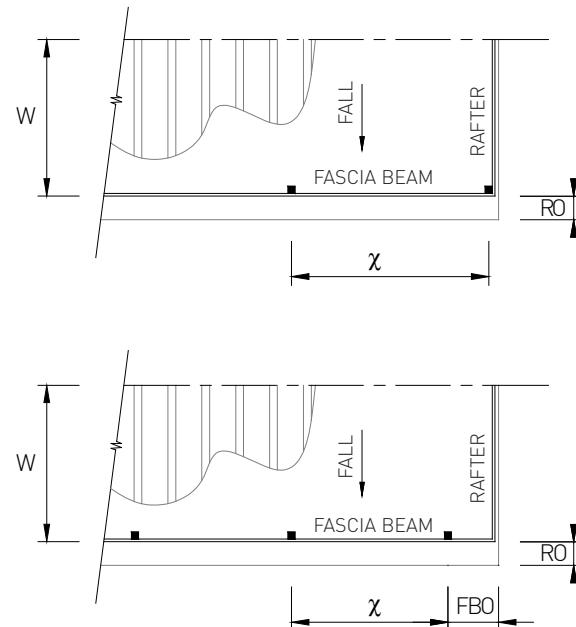
W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	5600	4700	3700	3000	2400
1800	5300	4400	3500	2800	2300
2100	5000	4200	3300	2700	2200
2400	4800	4000	3200	2500	2100
2700	4600	3900	3000	2400	2000
3000	4400	3700	2900	2300	1900
3300	4300	3600	2800	2300	1900
3600	4200	3500	2700	2200	1800
3900	4000	3400	2600	2100	1700
4200	3900	3300	2600	2100	1700
4500	3800	3200	2500	2000	1600
FBO	700	487	700	700	663
Screws Req'd	8	8	12	12	20

CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	7500	6489	5277	4324	3593
1800	7479	6086	4965	4073	3386
2100	7073	5737	4695	3856	3207
2400	6717	5431	4458	3666	3051
2700	6401	5159	4248	3497	2912
3000	6118	4916	4060	3347	2787
3300	5863	4697	3891	3210	2675
3600	5631	4498	3737	3087	2573
3900	5420	4316	3596	2974	2480
4200	5225	4149	3467	2870	2394
4500	5045	3995	3347	2774	2315
FBO	1200	1200	1200	1200	1141
Screws Req'd	8	8	12	12	20

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	9000	9000	7821	6403	5318
1800	9000	9000	7364	6035	5015
2100	9000	8543	6969	5717	4753
2400	9000	8095	6622	5439	4523
2700	9000	7698	6315	5192	4320
3000	9000	7342	6040	4971	4138
3300	8727	7021	5792	4772	3973
3600	8388	6730	5567	4591	3824
3900	8079	6464	5361	4426	3688
4200	7794	6219	5172	4274	3563
4500	7531	5993	4997	4133	3447
FBO	1800	1800	1800	1800	1800
Screws Req'd	8	8	12	12	20

Roof Sheet – Single Span with Overhang
Fascia Beam – Continuous Span

Drawing Legend

W:	Awnning frame width or rafter span
X:	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. Rafters (side beams) are not structural in this application and can be omitted.
4. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
5. Values that are not listed in these tables can be interpolated between the given values.
6. For roof sheet spans check with manufacturer's specifications.
7. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.
8. For applications requiring 900mm roof sheet overhang multiply;
 - χ values by 0.9
 - FBO values by 0.7

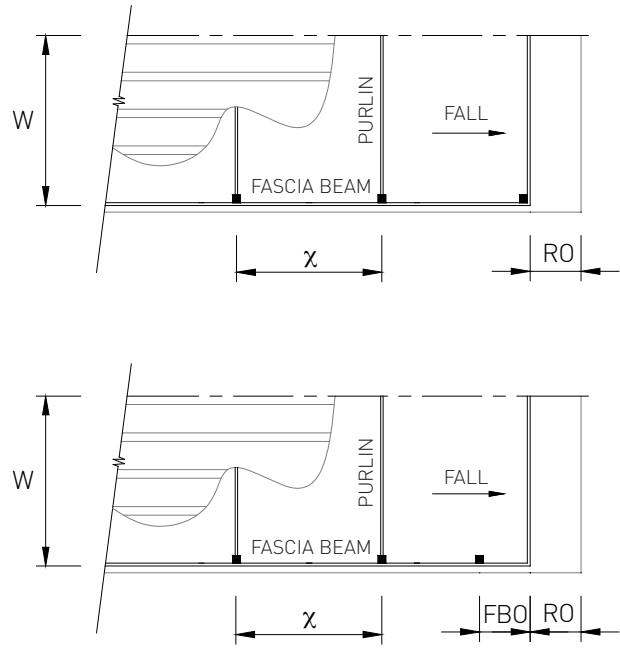
Roof Sheet – Continuous Span with Overhang Purlins – Supported by Posts

CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN [mm]				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	6000	6000	6000	5510	3770
1800	6000	6000	5820	3820	2620
2100	6000	5660	4270	2810	1920
2400	6000	4950	3270	2150	n/a
2700	5860	4150	2580	1700	n/a
3000	4750	3360	2090	n/a	n/a
3300	3920	2780	1730	n/a	n/a
3600	3290	2330	n/a	n/a	n/a
3900	2810	1990	n/a	n/a	n/a
4200	2420	1710	n/a	n/a	n/a
4500	2010	n/a	n/a	n/a	n/a
4800	1660	n/a	n/a	n/a	n/a
5100	n/a	n/a	n/a	n/a	n/a
FBO	700	700	700	616	569
Screws Req'd	8	8	12	12	20

CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN [mm]				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	7500	7500	7500	7500	7500
1800	7500	7500	7500	7500	6069
2100	7500	7500	7500	6512	4459
2400	7500	7500	7280	4986	3414
2700	7500	6925	5994	3939	2697
3000	7500	6232	4855	3191	2185
3300	7500	5666	4013	2637	1806
3600	7333	5194	3372	2216	1517
3900	6512	4612	2873	1888	n/a
4200	5615	3976	2477	1628	n/a
4500	4891	3464	2158	n/a	n/a
4800	4299	3044	1897	n/a	n/a
5100	3808	2697	1680	n/a	n/a
5400	3397	2405	n/a	n/a	n/a
5700	3048	2159	n/a	n/a	n/a
6000	2751	1948	n/a	n/a	n/a
6300	2495	1767	n/a	n/a	n/a
6600	2198	1583	n/a	n/a	n/a
6900	1893	n/a	n/a	n/a	n/a
7200	1597	n/a	n/a	n/a	n/a
7500	n/a	n/a	n/a	n/a	n/a
FBO	1200	1200	1070	820	650
Screws Req'd	8	8	12	12	20

**Drawing Legend**

W:	Awnings frame width or purlin span
X:	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang
RO:	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.

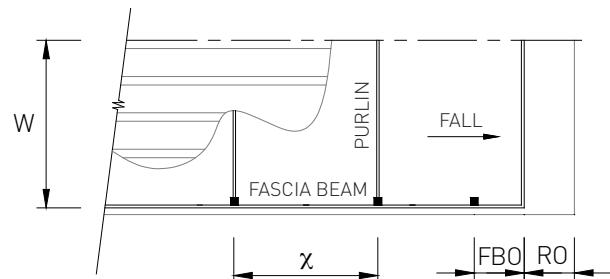
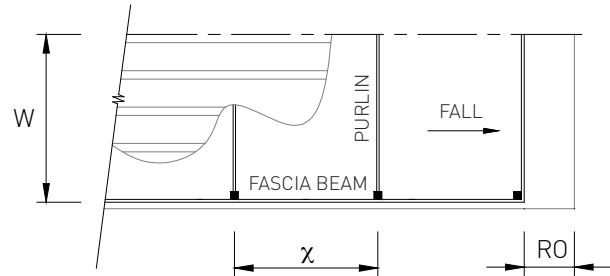
NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- As all beams are supported by posts in this application the front fascia beam is not structural and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

Roof Sheet – Continuous Span with Overhang Purlins – Supported by Posts

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	9000	9000	9000	9000	9000
1800	9000	9000	9000	9000	9000
2100	9000	9000	9000	9000	9000
2400	9000	9000	9000	9000	7395
2700	9000	9000	9000	8533	5843
3000	9000	9000	9000	6912	4733
3300	9000	8756	8182	5712	3912
3600	9000	8026	7304	4800	3287
3900	9000	7409	6223	4090	2801
4200	9000	6880	5366	3527	2415
4500	9000	6421	4674	3072	2104
4800	8500	6020	4108	2700	1849
5100	8000	5666	3639	2392	1638
5400	7358	5211	3246	2133	n/a
5700	6603	4677	2913	1915	n/a
6000	5960	4221	2629	1728	n/a
6300	5406	3828	2385	n/a	n/a
6600	4925	3488	2173	n/a	n/a
6900	4506	3191	1988	n/a	n/a
7200	4139	2931	1826	n/a	n/a
7500	3520	2701	1683	n/a	n/a
7800	3009	2489	n/a	n/a	n/a
8100	2588	2222	n/a	n/a	n/a
8400	2237	1993	n/a	n/a	n/a
8700	1944	1793	n/a	n/a	n/a
9000	1698	1620	n/a	n/a	n/a
FBO	1800	1800	1520	1180	990
Screws Req'd	8	8	12	12	20



Drawing Legend

W:	Awnning frame width or purlin span
X:	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang
RO:	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.

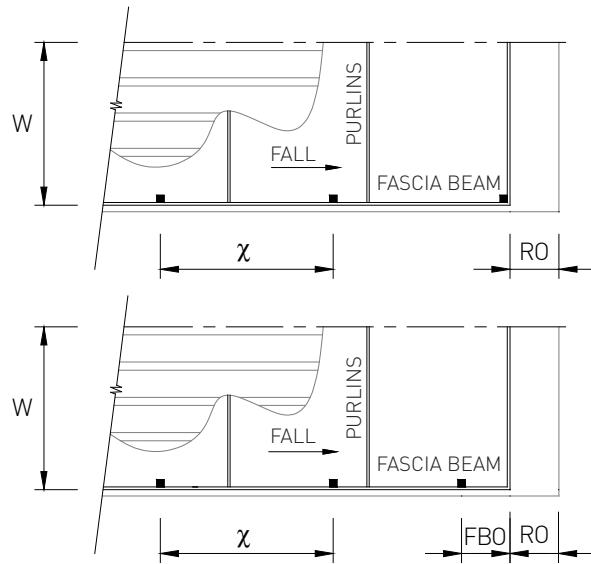
NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- As all beams are supported by posts in this application the front fascia beam is not structural and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

Roof Sheet – Continuous Span with Overhang Purlins – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications


Drawing Legend

<i>W:</i>	<i>Awnning frame width or purlin span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>FBO:</i>	<i>Maximum fascia beam overhang</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

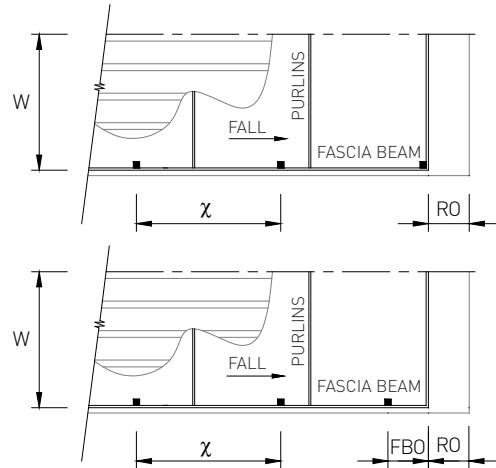
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
X	P	X	P	X	P	X	P	X	P	
1500	5339	4500	4493	4500	3546	4500	2875	4500	2379	3773
1800	4874	4500	4102	4500	3237	4500	2625	3827	2172	2620
2100	4513	4500	3798	4500	2997	4278	2430	2812	2011	1925
2400	4221	4500	3552	4500	2804	3275	2273	2153	1881	1474
2700	3980	4500	3349	4154	2643	2588	2143	1701	1773	1165
3000	3775	4500	3177	3365	2508	2096	2033	1378	1682	943
3300	3600	3927	3029	2781	2391	1732	1938	1139	1604	780
3600	3446	3300	2900	2337	2289	1456	1856	957	1536	655
3900	3311	2811	2787	1991	2199	1240	1783	815	n/a	n/a
4200	3191	2424	2685	1717	2119	1070	1718	703	n/a	n/a
4500	3083	2016	2594	1451	2048	932	1660	612	n/a	n/a
4800	2985	1661	2479	1196	1983	775	1607	n/a	n/a	n/a
5100	2896	1385	2333	997	1923	646	1559	n/a	n/a	n/a
5400	2814	1166	2203	840	1869	n/a	1515	n/a	n/a	n/a
5700	2739	992	2087	714	1819	n/a	n/a	n/a	n/a	n/a
6000	2670	850	1983	612	1773	n/a	n/a	n/a	n/a	n/a
6300	2605	735	1889	n/a	1731	n/a	n/a	n/a	n/a	n/a
6600	2545	639	1803	n/a	1685	n/a	n/a	n/a	n/a	n/a
FBO	700		458		700		685		569	
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Overhang Purlins – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

CB 150-16 Colorbeam

Drawing Legend

W:	<i>Awning frame width or purlin span</i>
x:	<i>Maximum post spacing or fascia beam span</i>
P:	<i>Maximum purlin spacing</i>
FBO:	<i>Maximum fascia beam overhang</i>
RO:	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

W	MAXIMUM ALLOWABLE SPAN [mm]									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	x	P	x	P	x	P	x	P	x	P
1500	7500	4500	6838	4500	5397	4500	4376	4500	3621	4500
1800	7418	4500	6242	4500	4927	4500	3994	4500	3305	4500
2100	6868	4500	5779	4500	4562	4500	3698	4500	3060	4459
2400	6424	4500	5406	4500	4267	4500	3459	4500	2862	3414
2700	6057	4500	5097	4500	4023	4500	3261	3939	2699	2697
3000	5746	4500	4835	4500	3817	4500	3094	3191	2560	2185
3300	5478	4500	4610	4500	3639	4013	2950	2637	2441	1806
3600	5245	4500	4414	4500	3484	3372	2824	2216	2337	1517
3900	5039	4500	4241	4500	3347	2873	2714	1888	2245	1293
4200	4856	4500	4087	3976	3226	2477	2615	1628	2164	1115
4500	4691	4500	3948	3464	3116	2158	2526	1418	2090	971
4800	4542	4299	3823	3044	3017	1897	2446	1246	2024	853
5100	4407	3808	3666	2697	2927	1680	2373	1104	1964	756
5400	4283	3397	3462	2405	2845	1499	2306	985	1908	674
5700	4168	3048	3280	2159	2769	1345	2245	884	1857	605
6000	4063	2751	3116	1948	2699	1214	2188	798	1810	546
6300	3965	2495	2968	1767	2634	1101	2135	724	1767	495
6600	3874	2198	2833	1583	2573	1003	2086	659	1726	451
6900	3789	1893	2710	1385	2517	897	2040	603	1688	n/a
7200	3667	1597	2597	1219	2427	790	1997	531	1653	n/a
7500	3520	1356	2493	1079	2329	699	1957	470	1619	n/a
7800	3385	1159	2397	959	2240	621	1919	n/a	1588	n/a
8100	3259	997	2308	856	2157	555	1883	n/a	1558	n/a
8400	3143	862	2226	768	2080	497	1823	n/a	1530	n/a
8700	3034	749	2149	691	2008	n/a	1760	n/a	1503	n/a
9000	2933	654	2077	624	1941	n/a	1701	n/a	n/a	n/a
FBO	1200		1200		1200		1190		820	
Screws Req'd	8		8		12		12		20	

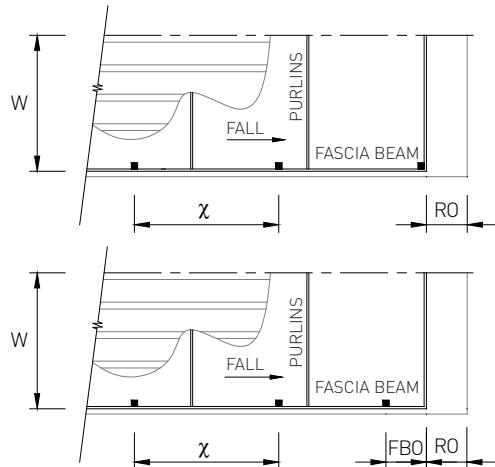
Roof Sheet – Continuous Span with Overhang Purlins – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	9000	4500	9000	4500	7944	4500	6440	4500	5329	4500
1800	9000	4500	9000	4500	7252	4500	5879	4500	4865	4500
2100	9000	4500	8506	4500	6714	4500	5443	4500	4504	4500
2400	9000	4500	7957	4500	6280	4500	5091	4500	4213	4500
2700	8914	4500	7502	4500	5921	4500	4800	4500	3972	4500
3000	8457	4500	7117	4500	5617	4500	4554	4500	3768	4500
3300	8063	4500	6786	4500	5356	4500	4342	4500	3593	3912
3600	7720	4500	6497	4500	5128	4500	4157	4500	3440	3287
3900	7417	4500	6242	4500	4927	4500	3994	4090	3305	2801
4200	7147	4500	6015	4500	4747	4500	3849	3527	3185	2415
4500	6905	4500	5811	4500	4586	4500	3718	3072	3077	2104
4800	6686	4500	5626	4500	4441	4108	3600	2700	2979	1849
5100	6486	4500	5458	4500	4308	3639	3493	2392	2890	1638
5400	6303	4500	5304	4500	4187	3246	3394	2133	2809	1461
5700	6135	4500	5069	4500	4075	2913	3304	1915	2734	1311
6000	5980	4500	4816	4221	3972	2629	3220	1728	2664	1183
6300	5836	4500	4586	3828	3876	2385	3142	1567	2600	1073
6600	5701	4500	4378	3488	3787	2173	3070	1428	2540	978
6900	5576	4500	4188	3191	3704	1988	3003	1307	2485	895
7200	5459	4139	4013	2931	3626	1826	2939	1200	2432	822
7500	5348	3520	3853	2701	3553	1683	2880	1106	2383	757
7800	5231	3009	3704	2489	3462	1556	2824	1022	2337	700
8100	5037	2588	3567	2222	3333	1440	2771	948	2293	649
8400	4857	2237	3440	1993	3214	1291	2721	868	2252	603
8700	4690	1944	3321	1793	3104	1162	2674	781	2213	n/a
9000	4533	1698	3211	1620	3000	1049	2629	706	2176	n/a
FBO	1800		1800		1800		1800		1240	
Screws Req'd	8		8		12		12		20	



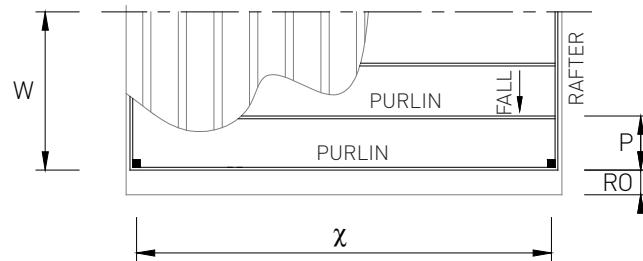
Drawing Legend

W:	Awning frame width or purlin span
X:	Maximum post spacing or fascia beam span
P:	Maximum purlin spacing
FBO:	Maximum fascia beam overhang
RO:	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.

Roof Sheet – Continuous Span with Optional Overhang Purlins – Supported by Rafters

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.



Drawing Legend

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

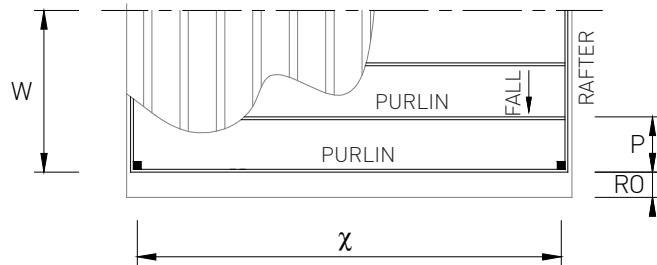
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
X	P	X	P	X	P	X	P	X	P	
1500	6000	850	6000	612	6000	n/a	6000	n/a	6000	n/a
1800	6000	850	6000	612	6000	n/a	6000	n/a	5241	n/a
2100	6000	850	6000	612	6000	n/a	5623	n/a	3850	573
2400	6000	850	6000	612	6000	n/a	4305	669	2948	977
2700	6000	850	6000	612	5176	618	3402	1072	2329	1565
3000	6000	850	6000	612	4192	1073	2755	1633	1887	2385
3300	6000	850	5562	769	3465	1571	2277	2391	1559	3492
3600	6000	850	4674	1295	2911	2226	1913	3387	1310	4500
3900	5623	1033	3982	1910	2481	3066	1630	4500	1116	4500
4200	4848	1612	3434	2569	2139	4123	1406	4500	n/a	4500
4500	4031	2631	2902	3595	1863	4500	1225	4500	n/a	4500
4800	3322	3876	2391	4500	1549	4500	1042	4500	n/a	4500
5100	2769	4500	1994	4500	1292	4500	n/a	4500	n/a	4500
5400	2333	4500	1680	4500	1088	4500	n/a	4500	n/a	4500
5700	1984	4500	1428	4500	n/a	4500	n/a	4500	n/a	4500
6000	1701	4500	1224	4500	n/a	4500	n/a	4500	n/a	4500
6300	1469	4500	1058	4500	n/a	4500	n/a	4500	n/a	4500
6600	1278	4500	n/a	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Purlins – Supported by Rafters

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

W:	Awnning frame width or rafter span
X:	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
P:	Maximum purlin spacing
RO:	Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.

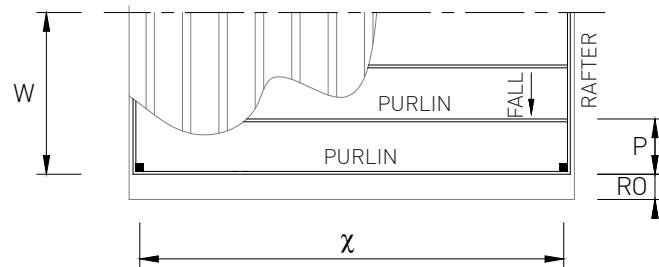
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	7500	654	7500	624	7500	n/a	7500	n/a	7500	n/a
1800	7500	654	7500	624	7500	n/a	7500	n/a	7500	n/a
2100	7500	654	7500	624	7500	n/a	7500	n/a	7500	n/a
2400	7500	654	7500	624	7500	n/a	7500	n/a	6828	n/a
2700	7500	654	7500	624	7500	n/a	7500	n/a	5395	676
3000	7500	654	7500	624	7500	n/a	6382	705	4370	1030
3300	7500	654	7500	624	7500	570	5274	1032	3611	1508
3600	7500	654	7500	624	6743	961	4432	1462	3035	2135
3900	7500	654	7500	624	5746	1324	3776	2014	2586	2941
4200	7500	654	7500	905	4954	1780	3256	2709	2229	3956
4500	7500	654	6928	1368	4316	2346	2836	3570	1942	4500
4800	7500	785	6089	1892	3793	3037	2493	4500	1707	4500
5100	7500	1276	5394	2411	3360	3871	2208	4500	1512	4500
5400	6793	2015	4811	3031	2997	4500	1970	4500	1349	4500
5700	6097	2664	4318	3762	2690	4500	1768	4500	1210	4500
6000	5502	3271	3897	4500	2428	4500	1595	4500	1092	4500
6300	4991	3976	3535	4500	2202	4500	1447	4500	n/a	4500
6600	4397	4500	3165	4500	2006	4500	1319	4500	n/a	4500
6900	3787	4500	2770	4500	1795	4500	1206	4500	n/a	4500
7200	3194	4500	2438	4500	1579	4500	1062	4500	n/a	4500
7500	2713	4500	2157	4500	1397	4500	n/a	4500	n/a	4500
7800	2319	4500	1918	4500	1242	4500	n/a	4500	n/a	4500
8100	1994	4500	1712	4500	1109	4500	n/a	4500	n/a	4500
8400	1724	4500	1535	4500	n/a	4500	n/a	4500	n/a	4500
8700	1498	4500	1382	4500	n/a	4500	n/a	4500	n/a	4500
9000	1308	4500	1248	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Purlins – Supported by Rafters

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

W:	Awnning frame width or rafter span
X:	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
P:	Maximum purlin spacing
RO:	Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.

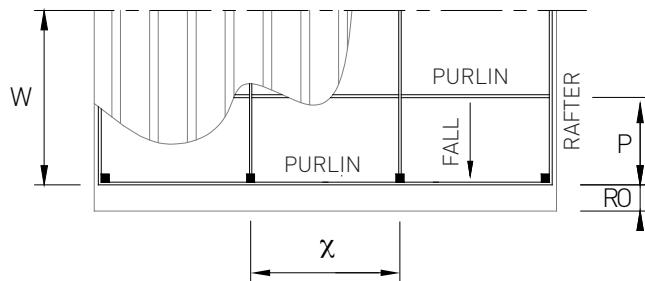
CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	9000	1698	9000	1620	9000	1049	9000	706	9000	490
1800	9000	1698	9000	1620	9000	1049	9000	706	9000	490
2100	9000	1698	9000	1620	9000	1049	9000	706	9000	490
2400	9000	1698	9000	1620	9000	1049	9000	706	9000	490
2700	9000	1698	9000	1620	9000	1049	9000	706	9000	490
3000	9000	1698	9000	1620	9000	1049	9000	706	9000	490
3300	9000	1698	9000	1620	9000	1049	9000	706	7823	696
3600	9000	1698	9000	1620	9000	1049	9000	706	6574	986
3900	9000	1698	9000	1620	9000	1049	8180	930	5601	1358
4200	9000	1698	9000	1620	9000	1049	7053	1251	4830	1826
4500	9000	1698	9000	1620	9000	1049	6144	1648	4207	2407
4800	9000	1698	9000	1620	8217	1379	5400	2133	3698	3116
5100	9000	1698	9000	1620	7278	1787	4783	2719	3275	3971
5400	9000	1698	9000	1620	6492	2246	4267	3417	2922	4500
5700	9000	1698	9000	1620	5827	2788	3829	4242	2622	4500
6000	9000	1698	8441	1963	5259	3423	3456	4500	2366	4500
6300	9000	1698	7657	2592	4770	4161	3135	4500	2146	4500
6600	9000	1698	6976	3122	4346	4500	2856	4500	1956	4500
6900	9000	1698	6383	3730	3976	4500	2613	4500	1789	4500
7200	8277	2373	5862	4422	3652	4500	2400	4500	1643	4500
7500	7041	4328	5402	4500	3366	4500	2212	4500	1515	4500
7800	6019	4500	4977	4500	3112	4500	2045	4500	1400	4500
8100	5175	4500	4444	4500	2879	4500	1896	4500	1298	4500
8400	4475	4500	3985	4500	2582	4500	1736	4500	1205	4500
8700	3889	4500	3587	4500	2324	4500	1562	4500	1085	4500
9000	3396	4500	3240	4500	2099	4500	1411	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Rafters – Supported by Posts

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>x:</i>	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

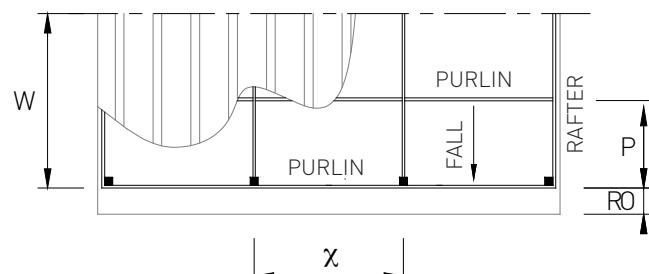
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	x	P	x	P	x	P	x	P	x	P
1500	6000	850	6000	612	6000	n/a	5511	n/a	3773	n/a
1800	6000	850	6000	612	5823	n/a	3827	847	2620	1236
2100	6000	850	5666	727	4278	1031	2812	1569	1925	2291
2400	6000	850	4957	1085	3275	1759	2153	2676	n/a	3908
2700	5866	910	4154	1755	2588	2817	1701	4286	n/a	4500
3000	4751	1712	3365	2675	2096	4293	n/a	4500	n/a	4500
3300	3927	2773	2781	3916	1732	4500	n/a	4500	n/a	4500
3600	3300	3928	2337	4500	n/a	4500	n/a	4500	n/a	4500
3900	2811	4500	1991	4500	n/a	4500	n/a	4500	n/a	4500
4200	2424	4500	1717	4500	n/a	4500	n/a	4500	n/a	4500
4500	2016	4500	n/a	4500	n/a	4500	n/a	4500	n/a	4500
4800	1661	4500	n/a	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Rafters – Supported by Posts

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	Awning frame width or rafter span
<i>X:</i>	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
<i>P:</i>	Maximum purlin spacing
<i>RO:</i>	Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (<i>P</i>) or 600mm. Use lowest value.

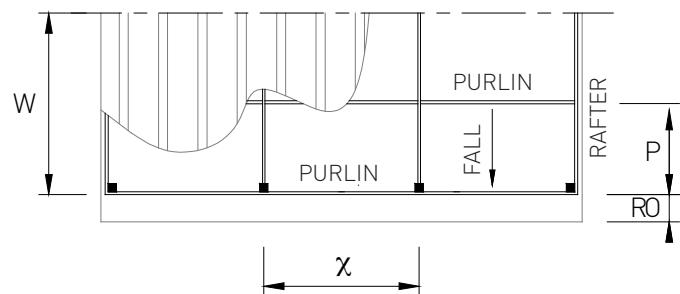
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	7500	654	7500	624	7500	n/a	7500	n/a	7500	n/a
1800	7500	654	7500	624	7500	n/a	7500	n/a	6069	n/a
2100	7500	654	7500	645	7500	n/a	6512	677	4459	989
2400	7500	654	7500	962	7280	764	4986	1155	3414	1687
2700	7500	654	6925	1370	5994	1216	3939	1851	2697	2703
3000	7500	716	6232	1806	4855	1854	3191	2821	2185	4119
3300	7500	1048	5666	2185	4013	2714	2637	4130	1806	4500
3600	7333	1484	5194	2601	3372	3844	2216	4500	1517	4500
3900	6512	2289	4612	3298	2873	4500	1888	4500	n/a	4500
4200	5615	3142	3976	4436	2477	4500	1628	4500	n/a	4500
4500	4891	4140	3464	4500	2158	4500	n/a	4500	n/a	4500
4800	4299	4500	3044	4500	1897	4500	n/a	4500	n/a	4500
5100	3808	4500	2697	4500	1680	4500	n/a	4500	n/a	4500
5400	3397	4500	2405	4500	n/a	4500	n/a	4500	n/a	4500
5700	3048	4500	2159	4500	n/a	4500	n/a	4500	n/a	4500
6000	2751	4500	1948	4500	n/a	4500	n/a	4500	n/a	4500
6300	2495	4500	1767	4500	n/a	4500	n/a	4500	n/a	4500
6600	2198	4500	1583	4500	n/a	4500	n/a	4500	n/a	4500
6900	1893	4500	n/a	4500	n/a	4500	n/a	4500	n/a	4500
7200	1597	4500	n/a	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Rafters – Supported by Posts

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

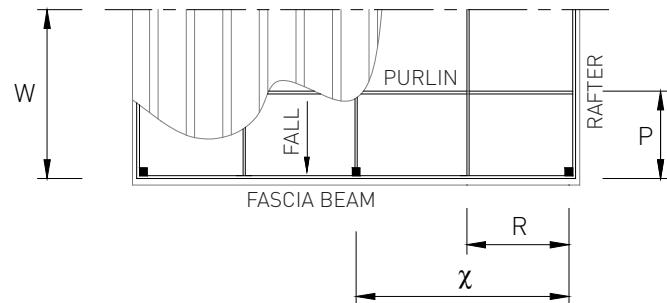
CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	6000	1698	6000	1620	6000	1049	6000	706	6000	n/a
1800	6000	1698	6000	1620	6000	1049	6000	706	6000	n/a
2100	6000	1698	6000	1620	6000	1049	6000	706	6000	n/a
2400	6000	1698	6000	1620	6000	1049	6000	706	6000	779
2700	6000	1698	6000	1620	6000	1049	6000	828	5843	1248
3000	6000	1698	6000	1620	6000	1049	6000	1302	4733	1902
3300	6000	1698	6000	1759	6000	1397	5712	1906	3912	2784
3600	6000	1698	6000	2284	6000	1774	4800	2700	3287	3943
3900	6000	1698	6000	2768	6000	2444	4090	3719	2801	4500
4200	6000	1698	6000	3210	5366	3287	3527	4500	2415	4500
4500	6000	1698	6000	3685	4674	4332	3072	4500	2104	4500
4800	6000	2134	6000	4193	4108	4500	2700	4500	1849	4500
5100	6000	2720	5666	4500	3639	4500	2392	4500	1638	4500
5400	6000	3801	5211	4500	3246	4500	2133	4500	n/a	4500
5700	6000	4500	4677	4500	2913	4500	1915	4500	n/a	4500
6000	5960	4500	4221	4500	2629	4500	1728	4500	n/a	4500
6300	5406	4500	3828	4500	2385	4500	n/a	4500	n/a	4500
6600	4925	4500	3488	4500	2173	4500	n/a	4500	n/a	4500
6900	4506	4500	3191	4500	1988	4500	n/a	4500	n/a	4500
7200	4139	4500	2931	4500	1826	4500	n/a	4500	n/a	4500
7500	3520	4500	2701	4500	1683	4500	n/a	4500	n/a	4500
7800	3009	4500	2489	4500	n/a	4500	n/a	4500	n/a	4500
8100	2588	4500	2222	4500	n/a	4500	n/a	4500	n/a	4500
8400	2237	4500	1993	4500	n/a	4500	n/a	4500	n/a	4500
8700	1944	4500	1793	4500	n/a	4500	n/a	4500	n/a	4500
9000	1698	4500	1620	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span Rafters – Supported by Fascia Beam

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>

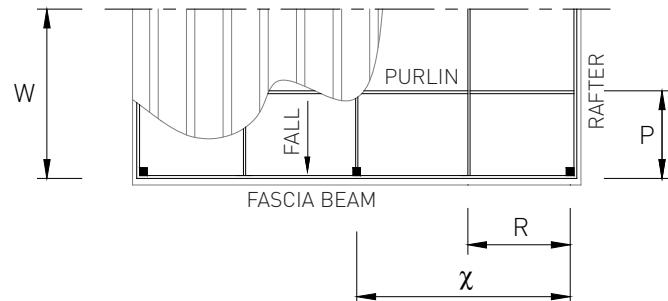
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	6000	6000	850	6000	5607	612	6000	4852	n/a	5511	4066	n/a	3773	3365	n/a
1800	6000	5888	850	6000	5277	612	5823	4566	n/a	3827	3712	847	2620	3071	1236
2100	6000	5593	850	5666	5012	727	4278	4239	1031	2812	3436	1569	1925	2844	2291
2400	6000	5349	850	4957	4794	1085	3275	3965	1759	2153	3214	2676	1474	2660	3908
2700	5866	5143	910	4154	4610	1755	2588	3738	2817	1701	3031	4286	1165	2508	4500
3000	4751	4966	1712	3365	4451	2675	2096	3546	4293	1378	2875	4500	n/a	2379	4500
3300	3927	4810	2773	2781	4284	3916	1732	3381	4500	1139	2741	4500	n/a	2268	4500
3600	3300	4673	3928	2337	4102	4500	1456	3237	4500	n/a	2625	4500	n/a	2172	4500
3900	2811	4550	4500	1991	3941	4500	1240	3110	4500	n/a	2522	4500	n/a	2087	4500
4200	2424	4439	4500	1717	3798	4500	1070	2997	4500	n/a	2430	4500	n/a	2011	4500
4500	2016	4338	4500	1451	3669	4500	n/a	2896	4500	n/a	2347	4500	n/a	1943	4500
4800	1661	4221	4500	1196	3552	4500	n/a	2804	4500	n/a	2273	4500	n/a	1881	4500
5100	1385	4095	4500	n/a	3446	4500	n/a	2720	4500	n/a	2205	4500	n/a	1825	4500
5400	1166	3980	4500	n/a	3349	4500	n/a	2643	4500	n/a	2143	4500	n/a	1773	4500
5700	n/a	3874	4500	n/a	3260	4500	n/a	2573	4500	n/a	2086	4500	n/a	1726	4500
6000	n/a	3775	4500	n/a	3177	4500	n/a	2508	4500	n/a	2033	4500	n/a	1682	4500
6300	n/a	3684	4500	n/a	3101	4500	n/a	2447	4500	n/a	1984	4500	n/a	1642	4500
6600	n/a	3600	4500	n/a	3029	4500	n/a	2391	4500	n/a	1938	4500	n/a	1604	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span Rafters – Supported by Fascia Beam

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>

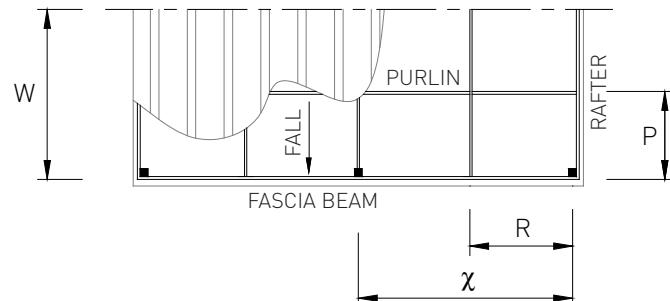
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	7500	7500	654	7500	7500	624	7500	7325	n/a	7500	6188	n/a	7500	5120	n/a
1800	7500	7500	654	7500	7500	624	7500	6893	n/a	7500	5649	n/a	6069	4674	n/a
2100	7500	7500	654	7500	7500	645	7500	6451	n/a	6512	5230	677	4459	4328	989
2400	7500	7500	654	7500	7238	962	7280	6034	764	4986	4892	1155	3414	4048	1687
2700	7500	7500	654	6925	6959	1370	5994	5689	1216	3939	4612	1851	2697	3817	2703
3000	7500	7314	716	6232	6719	1806	4855	5397	1854	3191	4376	2821	2185	3621	4119
3300	7500	7141	1048	5666	6509	2185	4013	5146	2714	2637	4172	4130	1806	3452	4500
3600	7333	6988	1484	5194	6242	2601	3372	4927	3844	2216	3994	4500	1517	3305	4500
3900	6512	6849	2289	4612	5998	3298	2873	4734	4500	1888	3838	4500	1293	3176	4500
4200	5615	6701	3142	3976	5779	4436	2477	4562	4500	1628	3698	4500	1115	3060	4500
4500	4891	6549	4140	3464	5583	4500	2158	4407	4500	1418	3573	4500	n/a	2956	4500
4800	4299	6410	4500	3044	5406	4500	1897	4267	4500	1246	3459	4500	n/a	2862	4500
5100	3808	6232	4500	2697	5245	4500	1680	4140	4500	1104	3356	4500	n/a	2777	4500
5400	3397	6057	4500	2405	5097	4500	1499	4023	4500	n/a	3261	4500	n/a	2699	4500
5700	3048	5895	4500	2159	4961	4500	1345	3916	4500	n/a	3174	4500	n/a	2627	4500
6000	2751	5746	4500	1948	4835	4500	1214	3817	4500	n/a	3094	4500	n/a	2560	4500
6300	2495	5607	4500	1767	4719	4500	1101	3725	4500	n/a	3019	4500	n/a	2499	4500
6600	2198	5478	4500	1583	4610	4500	1003	3639	4500	n/a	2950	4500	n/a	2441	4500
6900	1893	5358	4500	1385	4509	4500	n/a	3559	4500	n/a	2885	4500	n/a	2387	4500
7200	1597	5245	4500	1219	4414	4500	n/a	3484	4500	n/a	2824	4500	n/a	2337	4500
7500	1356	5139	4500	1079	4325	4500	n/a	3414	4500	n/a	2767	4500	n/a	2290	4500
7800	1159	5039	4500	n/a	4241	4500	n/a	3347	4500	n/a	2714	4500	n/a	2245	4500
8100	n/a	4945	4500	n/a	4162	4500	n/a	3285	4500	n/a	2663	4500	n/a	2203	4500
8400	n/a	4856	4500	n/a	4087	4500	n/a	3226	4500	n/a	2615	4500	n/a	2164	4500
8700	n/a	4772	4500	n/a	4016	4500	n/a	3169	4500	n/a	2569	4500	n/a	2126	4500
9000	n/a	4691	4500	n/a	3948	4500	n/a	3116	4500	n/a	2526	4500	n/a	2090	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span Rafters – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>

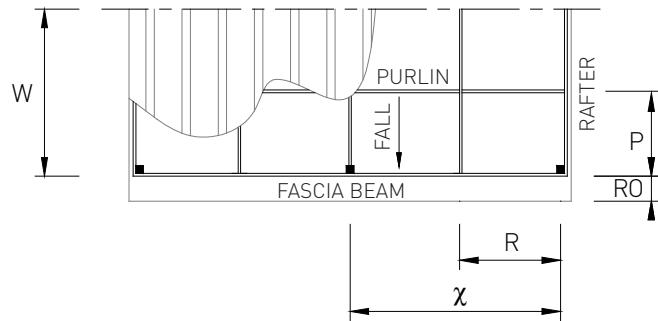
CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	9000	9000	1698	9000	9000	1620	9000	9000	1049	9000	8819	706	9000	7536	n/a
1800	9000	9000	1698	9000	9000	1620	9000	9000	1049	9000	8299	706	9000	6880	n/a
2100	9000	9000	1698	9000	9000	1620	9000	8999	1049	9000	7697	706	9000	6369	n/a
2400	9000	9000	1698	9000	9000	1620	9000	8607	1049	9000	7200	706	7395	5958	779
2700	9000	9000	1698	9000	9000	1620	9000	8275	1049	8533	6788	828	5843	5617	1248
3000	9000	9000	1698	9000	9000	1620	9000	7944	1049	6912	6440	1302	4733	5329	1902
3300	9000	9000	1698	8756	8945	1759	8182	7574	1397	5712	6140	1906	3912	5081	2784
3600	9000	8869	1698	8026	8689	2284	7304	7252	1774	4800	5879	2700	3287	4865	3943
3900	9000	8694	1698	7409	8461	2768	6223	6967	2444	4090	5648	3719	2801	4674	4500
4200	9000	8534	1698	6880	8254	3210	5366	6714	3287	3527	5443	4500	2415	4504	4500
4500	9000	8388	1698	6421	8067	3685	4674	6486	4332	3072	5258	4500	2104	4351	4500
4800	8500	8254	2134	6020	7895	4193	4108	6280	4500	2700	5091	4500	1849	4213	4500
5100	8000	8130	2720	5666	7719	4500	3639	6093	4500	2392	4939	4500	1638	4087	4500
5400	7358	8014	3801	5211	7502	4500	3246	5921	4500	2133	4800	4500	n/a	3972	4500
5700	6603	7907	4500	4677	7302	4500	2913	5763	4500	1915	4672	4500	n/a	3866	4500
6000	5960	7806	4500	4221	7117	4500	2629	5617	4500	1728	4554	4500	n/a	3768	4500
6300	5406	7711	4500	3828	6945	4500	2385	5482	4500	n/a	4444	4500	n/a	3677	4500
6600	4925	7622	4500	3488	6786	4500	2173	5356	4500	n/a	4342	4500	n/a	3593	4500
6900	4506	7538	4500	3191	6636	4500	1988	5238	4500	n/a	4246	4500	n/a	3514	4500
7200	4139	7458	4500	2931	6497	4500	1826	5128	4500	n/a	4157	4500	n/a	3440	4500
7500	3520	7383	4500	2701	6365	4500	1683	5024	4500	n/a	4073	4500	n/a	3370	4500
7800	3009	7310	4500	2489	6242	4500	n/a	4927	4500	n/a	3994	4500	n/a	3305	4500
8100	2588	7242	4500	2222	6125	4500	n/a	4834	4500	n/a	3919	4500	n/a	3243	4500
8400	2237	7147	4500	1993	6015	4500	n/a	4747	4500	n/a	3849	4500	n/a	3185	4500
8700	1944	7023	4500	1793	5910	4500	n/a	4665	4500	n/a	3782	4500	n/a	3129	4500
9000	1698	6905	4500	1620	5811	4500	n/a	4586	4500	n/a	3718	4500	n/a	3077	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span with overhang Rafters – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	Awning frame width or rafter span
<i>X:</i>	Maximum post spacing or fascia beam span
<i>R:</i>	Maximum rafter spacing or purlin span
<i>P:</i>	Maximum purlin spacing
<i>RO:</i>	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.

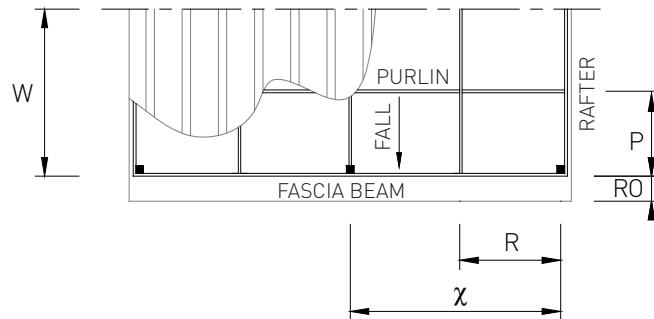
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	6000	5143	850	6000	4610	612	6000	3738	n/a	5511	3031	n/a	3773	2508	n/a
1800	6000	4966	850	6000	4451	612	5823	3546	n/a	3827	2875	847	2620	2379	1236
2100	6000	4810	850	5666	4284	727	4278	3381	1031	2812	2741	1569	1925	2268	2291
2400	6000	4673	850	4957	4102	1085	3275	3237	1759	2153	2625	2676	1474	2172	3908
2700	5866	4550	910	4154	3941	1755	2588	3110	2817	1701	2522	4286	1165	2087	4500
3000	4751	4439	1712	3365	3798	2675	2096	2997	4293	1378	2430	4500	n/a	2011	4500
3300	3927	4338	2773	2781	3669	3916	1732	2896	4500	1139	2347	4500	n/a	1943	4500
3600	3300	4221	3928	2337	3552	4500	1456	2804	4500	n/a	2273	4500	n/a	1881	4500
3900	2811	4095	4500	1991	3446	4500	1240	2720	4500	n/a	2205	4500	n/a	1825	4500
4200	2424	3980	4500	1717	3349	4500	1070	2643	4500	n/a	2143	4500	n/a	1773	4500
4500	2016	3874	4500	1451	3260	4500	n/a	2573	4500	n/a	2086	4500	n/a	1726	4500
4800	1661	3775	4500	1196	3177	4500	n/a	2508	4500	n/a	2033	4500	n/a	1682	4500
5100	1385	3684	4500	n/a	3101	4500	n/a	2447	4500	n/a	1984	4500	n/a	1642	4500
5400	1166	3600	4500	n/a	3029	4500	n/a	2391	4500	n/a	1938	4500	n/a	1604	4500
5700	n/a	3521	4500	n/a	2963	4500	n/a	2338	4500	n/a	1896	4500	n/a	1569	4500
6000	n/a	3446	4500	n/a	2900	4500	n/a	2289	4500	n/a	1856	4500	n/a	1536	4500
6300	n/a	3377	4500	n/a	2842	4500	n/a	2243	4500	n/a	1818	4500	n/a	1505	4500
6600	n/a	3311	4500	n/a	2787	4500	n/a	2199	4500	n/a	1783	4500	n/a	n/a	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span with overhang Rafters – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	<i>Awning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

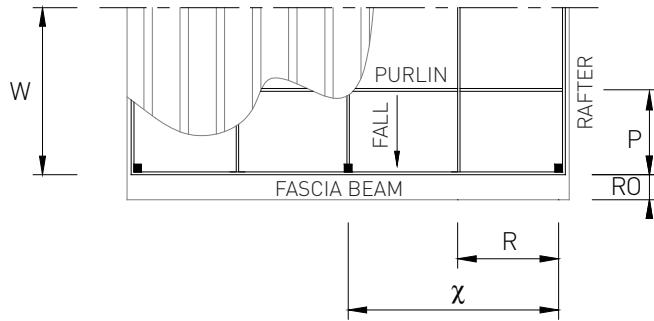
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	7500	7500	654	7500	6959	624	7500	5689	n/a	7500	4612	n/a	7500	3817	n/a
1800	7500	7314	654	7500	6719	624	7500	5397	n/a	7500	4376	n/a	6069	3621	n/a
2100	7500	7141	654	7500	6509	645	7500	5146	n/a	6512	4172	677	4459	3452	989
2400	7500	6988	654	7500	6242	962	7280	4927	764	4986	3994	1155	3414	3305	1687
2700	7500	6849	654	6925	5998	1370	5994	4734	1216	3939	3838	1851	2697	3176	2703
3000	7500	6701	716	6232	5779	1806	4855	4562	1854	3191	3698	2821	2185	3060	4119
3300	7500	6549	1048	5666	5583	2185	4013	4407	2714	2637	3573	4130	1806	2956	4500
3600	7333	6410	1484	5194	5406	2601	3372	4267	3844	2216	3459	4500	1517	2862	4500
3900	6512	6232	2289	4612	5245	3298	2873	4140	4500	1888	3356	4500	1293	2777	4500
4200	5615	6057	3142	3976	5097	4436	2477	4023	4500	1628	3261	4500	1115	2699	4500
4500	4891	5895	4140	3464	4961	4500	2158	3916	4500	1418	3174	4500	n/a	2627	4500
4800	4299	5746	4500	3044	4835	4500	1897	3817	4500	1246	3094	4500	n/a	2560	4500
5100	3808	5607	4500	2697	4719	4500	1680	3725	4500	1104	3019	4500	n/a	2499	4500
5400	3397	5478	4500	2405	4610	4500	1499	3639	4500	n/a	2950	4500	n/a	2441	4500
5700	3048	5358	4500	2159	4509	4500	1345	3559	4500	n/a	2885	4500	n/a	2387	4500
6000	2751	5245	4500	1948	4414	4500	1214	3484	4500	n/a	2824	4500	n/a	2337	4500
6300	2495	5139	4500	1767	4325	4500	1101	3414	4500	n/a	2767	4500	n/a	2290	4500
6600	2198	5039	4500	1583	4241	4500	1003	3347	4500	n/a	2714	4500	n/a	2245	4500
6900	1893	4945	4500	1385	4162	4500	n/a	3285	4500	n/a	2663	4500	n/a	2203	4500
7200	1597	4856	4500	1219	4087	4500	n/a	3226	4500	n/a	2615	4500	n/a	2164	4500
7500	1356	4772	4500	1079	4016	4500	n/a	3169	4500	n/a	2569	4500	n/a	2126	4500
7800	1159	4691	4500	n/a	3948	4500	n/a	3116	4500	n/a	2526	4500	n/a	2090	4500
8100	n/a	4615	4500	n/a	3884	4500	n/a	3065	4500	n/a	2485	4500	n/a	2056	4500
8400	n/a	4542	4500	n/a	3823	4500	n/a	3017	4500	n/a	2446	4500	n/a	2024	4500
8700	n/a	4473	4500	n/a	3764	4500	n/a	2971	4500	n/a	2409	4500	n/a	1993	4500
9000	n/a	4407	4500	n/a	3666	4500	n/a	2927	4500	n/a	2373	4500	n/a	1964	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span with Overhang Rafters – Supported by Fascia Beam

NOTES:

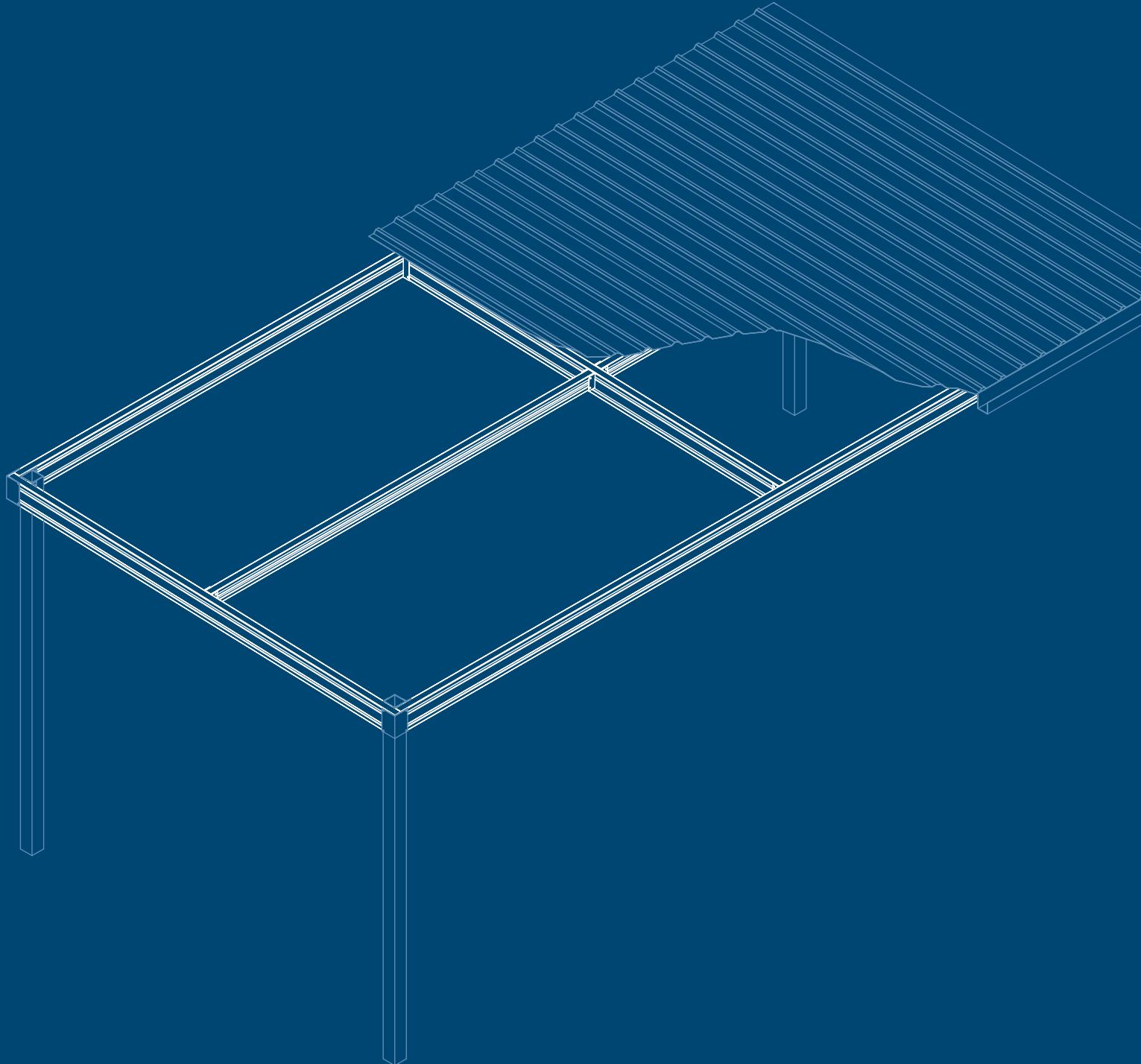
1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications

**Drawing Legend**

<i>W:</i>	<i>Awning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	9000	9000	1698	9000	9000	1620	9000	8275	1049	9000	6788	706	9000	5617	n/a
1800	9000	9000	1698	9000	9000	1620	9000	7944	1049	9000	6440	706	9000	5329	n/a
2100	9000	9000	1698	9000	8945	1620	9000	7574	1049	9000	6140	706	9000	5081	n/a
2400	9000	8869	1698	9000	8689	1620	9000	7252	1049	9000	5879	706	7395	4865	779
2700	9000	8694	1698	9000	8461	1620	9000	6967	1049	8533	5648	828	5843	4674	1248
3000	9000	8534	1698	9000	8254	1620	9000	6714	1049	6912	5443	1302	4733	4504	1902
3300	9000	8388	1698	8756	8067	1759	8182	6486	1397	5712	5258	1906	3912	4351	2784
3600	9000	8254	1698	8026	7895	2284	7304	6280	1774	4800	5091	2700	3287	4213	3943
3900	9000	8130	1698	7409	7719	2768	6223	6093	2444	4090	4939	3719	2801	4087	4500
4200	9000	8014	1698	6880	7502	3210	5366	5921	3287	3527	4800	4500	2415	3972	4500
4500	9000	7907	1698	6421	7302	3685	4674	5763	4332	3072	4672	4500	2104	3866	4500
4800	8500	7806	2134	6020	7117	4193	4108	5617	4500	2700	4554	4500	1849	3768	4500
5100	8000	7711	2720	5666	6945	4500	3639	5482	4500	2392	4444	4500	1638	3677	4500
5400	7358	7622	3801	5211	6786	4500	3246	5356	4500	2133	4342	4500	n/a	3593	4500
5700	6603	7538	4500	4677	6636	4500	2913	5238	4500	1915	4246	4500	n/a	3514	4500
6000	5960	7458	4500	4221	6497	4500	2629	5128	4500	1728	4157	4500	n/a	3440	4500
6300	5406	7383	4500	3828	6365	4500	2385	5024	4500	n/a	4073	4500	n/a	3370	4500
6600	4925	7310	4500	3488	6242	4500	2173	4927	4500	n/a	3994	4500	n/a	3305	4500
6900	4506	7242	4500	3191	6125	4500	1988	4834	4500	n/a	3919	4500	n/a	3243	4500
7200	4139	7147	4500	2931	6015	4500	1826	4747	4500	n/a	3849	4500	n/a	3185	4500
7500	3520	7023	4500	2701	5910	4500	1683	4665	4500	n/a	3782	4500	n/a	3129	4500
7800	3009	6905	4500	2489	5811	4500	n/a	4586	4500	n/a	3718	4500	n/a	3077	4500
8100	2588	6793	4500	2222	5716	4500	n/a	4512	4500	n/a	3658	4500	n/a	3027	4500
8400	2237	6686	4500	1993	5626	4500	n/a	4441	4500	n/a	3600	4500	n/a	2979	4500
8700	1944	6584	4500	1793	5540	4500	n/a	4373	4500	n/a	3545	4500	n/a	2933	4500
9000	1698	6486	4500	1620	5458	4500	n/a	4308	4500	n/a	3493	4500	n/a	2890	4500
Screws Req'd	8			8			12			12			20		



COLORBEAM® FLAT ROOF SPAN TABLES

Roof Beams for Free-Standing Flat Roofs

Carports → Awnings → Patios → Verandahs

**Roof Sheet – Single Span
Fascia Beam – Single Span**

CB 100-12 Colorbeam

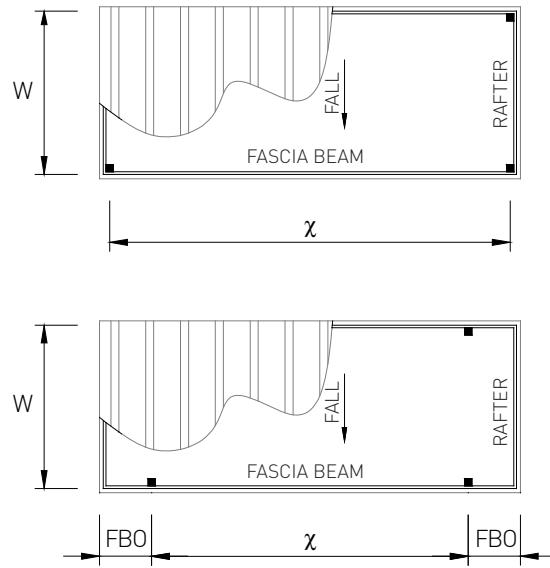
W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	6000	5800	5000	4300	3600
1800	6000	5500	4700	4000	3300
2100	5800	5200	4500	3700	3000
2400	5500	5000	4200	3400	2800
2700	5300	4800	4000	3200	2700
3000	5100	4600	3800	3100	2500
3300	5000	4500	3600	2900	2400
3600	4800	4300	3500	2800	2300
3900	4600	4200	3300	2700	2200
4200	4500	4100	3200	2600	2100
4500	4300	3900	3100	2500	2000
FBO	700	700	700	700	700
Screws Req'd	8	8	12	12	20

CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	7500	7500	7500	6682	5523
1800	7500	7500	7238	6100	5042
2100	7500	7500	6875	5647	4668
2400	7500	7500	6529	5283	4366
2700	7500	7307	6155	4981	4117
3000	7314	7055	5840	4725	3905
3300	7141	6834	5568	4505	3724
3600	6988	6639	5331	4313	3565
3900	6849	6464	5122	4144	3425
4200	6724	6274	4935	3993	3301
4500	6609	6062	4768	3858	3189
FBO	1200	1200	1200	1200	1200
Screws Req'd	8	8	12	12	20

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	9000	9000	9000	9000	8129
1800	9000	9000	9000	8714	7420
2100	9000	9000	9000	8277	6870
2400	9000	9000	9000	7775	6426
2700	9000	9000	8689	7330	6059
3000	9000	9000	8389	6954	5748
3300	9000	9000	8127	6630	5480
3600	8869	8869	7846	6348	5247
3900	8694	8694	7538	6099	5041
4200	8534	8534	7264	5877	4858
4500	8388	8388	7018	5678	4693
FBO	1800	1800	1800	1800	1800
Screws Req'd	8	8	12	12	20

**Drawing Legend**

W:	Awnning frame width or rafter span
χ :	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- Rafters (side beams) are not structural in this application and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing ' χ ' is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	5300	4800	4000	3200	2700
1800	5100	4600	3800	3100	2500
2100	5000	4500	3600	2900	2400
2400	4800	4300	3500	2800	2300
2700	4600	4200	3300	2700	2200
3000	4500	4100	3200	2600	2100
3300	4300	3900	3100	2500	2000
3600	4200	3800	3000	2400	2000
3900	4000	3700	2900	2300	1900
4200	3900	3600	2800	2300	1900
4500	3800	3500	2700	2200	1800
FBO	700	700	700	700	700
Screws Req'd	8	8	12	12	20

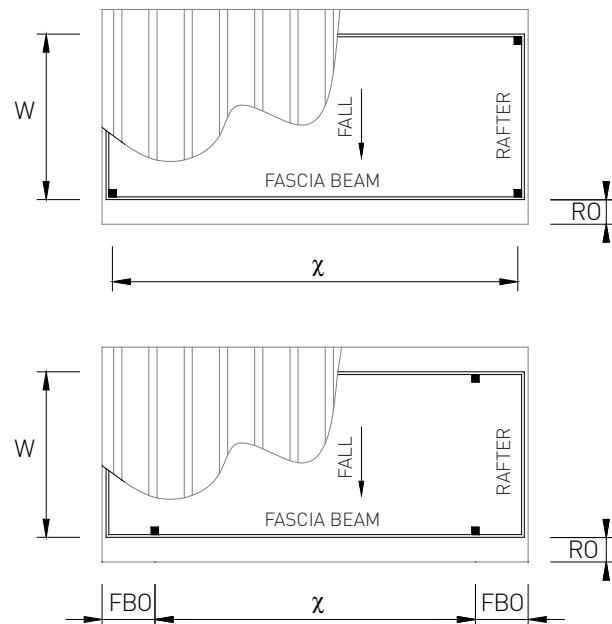
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	7500	7307	6155	4981	4117
1800	7314	7055	5840	4725	3905
2100	7141	6834	5568	4505	3724
2400	6988	6639	5331	4313	3565
2700	6849	6464	5122	4144	3425
3000	6724	6274	4935	3993	3301
3300	6609	6062	4768	3858	3189
3600	6424	5869	4617	3735	3087
3900	6232	5694	4479	3624	2995
4200	6057	5533	4353	3522	2911
4500	5895	5386	4236	3428	2833
FBO	1200	1173	1200	1200	1200
Screws Req'd	8	8	12	12	20

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	9000	9000	8689	7330	6059
1800	9000	9000	8389	6954	5748
2100	9000	9000	8127	6630	5480
2400	8869	8869	7846	6348	5247
2700	8694	8694	7538	6099	5041
3000	8534	8534	7264	5877	4858
3300	8388	8388	7018	5678	4693
3600	8254	8254	6795	5498	4544
3900	8130	8124	6592	5334	4408
4200	8014	7970	6406	5183	4284
4500	7907	7828	6235	5045	4170
FBO	1800	1800	1800	1800	1800
Screws Req'd	8	8	12	12	20

Roof Sheet – Single Span with Overhang Fascia Beam – Single Span



Drawing Legend

W:	Awnning frame width or rafter span
X:	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang
RO:	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang. For overhangs greater than 600mm and up to 900mm (see note)

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- Rafters (side beams) are not structural in this application and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing ' χ ' is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.
- For applications requiring 900mm roof sheet overhang multiply;
 - χ values by .90
 - FBO values by .70

CB 100-12 Colorbeam

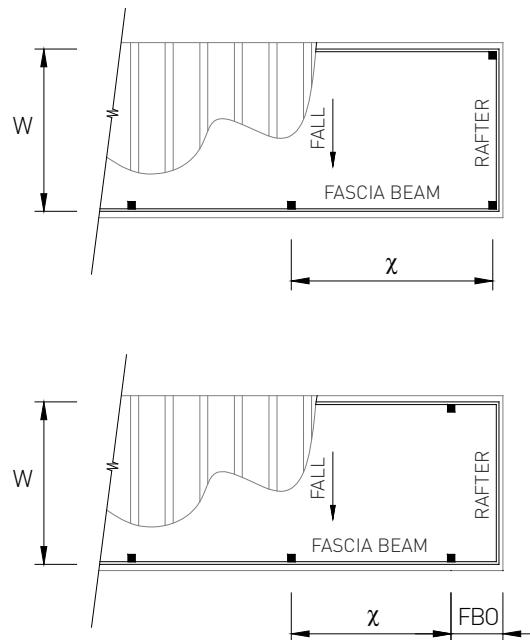
W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	6000	6000	5400	4300	3600
1800	6000	6000	4900	3900	3200
2100	6000	5800	4500	3600	3000
2400	5900	5400	4200	3400	2800
2700	5600	5100	4000	3200	2600
3000	5300	4800	3800	3000	2500
3300	5000	4600	3600	2900	2400
3600	4800	4400	3400	2800	2300
3900	4600	4200	3300	2600	2200
4200	4400	4100	3200	2500	2100
4500	4300	3900	3100	2500	2000
FBO	700	700	700	700	700
Screws Req'd	8	8	12	12	20

CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	7500	7500	7500	6480	5366
1800	7500	7500	7222	5879	4870
2100	7500	7500	6639	5409	4483
2400	7500	7500	6166	5029	4170
2700	7500	7157	5772	4713	3909
3000	7479	6723	5437	4443	3687
3300	7073	6348	5147	4211	3495
3600	6717	6019	4894	4007	3327
3900	6401	5727	4669	3827	3179
4200	6118	5466	4467	3665	3046
4500	5863	5230	4286	3519	2926
FBO	1200	1200	1200	1200	1200
Screws Req'd	8	8	12	12	20

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	9000	9000	9000	9000	7919
1800	9000	9000	9000	8682	7191
2100	9000	9000	9000	7993	6623
2400	9000	9000	9000	7436	6163
2700	9000	9000	8546	6972	5780
3000	9000	9000	8055	6577	5455
3300	9000	9000	7631	6236	5175
3600	9000	8956	7259	5938	4929
3900	9000	8529	6930	5674	4711
4200	9000	8147	6635	5437	4516
4500	8727	7802	6370	5224	4340
FBO	1800	1800	1800	1800	1800
Screws Req'd	8	8	12	12	20

Roof Sheet – Single Span
Fascia Beam – Continuous Span

Drawing Legend

W:	Awnning frame width or rafter span
χ:	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- Rafters (side beams) are not structural in this application and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	5600	5100	4000	3200	2600
1800	5300	4800	3800	3000	2500
2100	5000	4600	3600	2900	2400
2400	4800	4400	3400	2800	2300
2700	4600	4200	3300	2600	2200
3000	4400	4100	3200	2500	2100
3300	4300	3900	3100	2500	2000
3600	4200	3800	3000	2400	1900
3900	4000	3700	2900	2300	1900
4200	3900	3600	2800	2200	1800
4500	3800	3500	2700	2200	1800
FBO	700	700	700	700	700
Screws Req'd	8	8	12	12	20

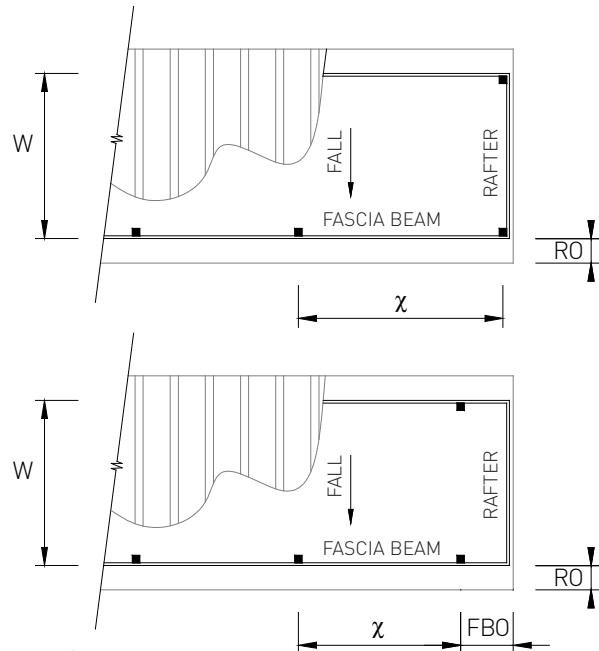
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	7500	7157	5772	4713	3909
1800	7479	6723	5437	4443	3687
2100	7073	6348	5147	4211	3495
2400	6717	6019	4894	4007	3327
2700	6401	5727	4669	3827	3179
3000	6118	5466	4467	3665	3046
3300	5863	5230	4286	3519	2926
3600	5631	5016	4121	3387	2817
3900	5420	4821	3970	3266	2717
4200	5225	4641	3831	3155	2626
4500	5045	4475	3703	3053	2541
FBO	1200	1200	1200	1200	1200
Screws Req'd	8	8	12	12	20

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	9000	9000	8546	6972	5780
1800	9000	9000	8055	6577	5455
2100	9000	9000	7631	6236	5175
2400	9000	8956	7259	5938	4929
2700	9000	8529	6930	5674	4711
3000	9000	8147	6635	5437	4516
3300	8727	7802	6370	5224	4340
3600	8388	7489	6128	5030	4181
3900	8079	7202	5908	4853	4035
4200	7794	6939	5705	4691	3901
4500	7531	6696	5518	4541	3778
FBO	1800	1800	1800	1800	1800
Screws Req'd	8	8	12	12	20

Roof Sheet – Single Span with Overhang Fascia Beam – Continuous Span



Drawing Legend

W:	Awning frame width or rafter span
χ :	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang
RO:	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang. For overhangs greater than 600mm and up to 900mm (see note)

NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- Rafters (side beams) are not structural in this application and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.
- For applications requiring 900mm roof sheet overhang multiply;
 - χ values by .90
 - FBO values by .70

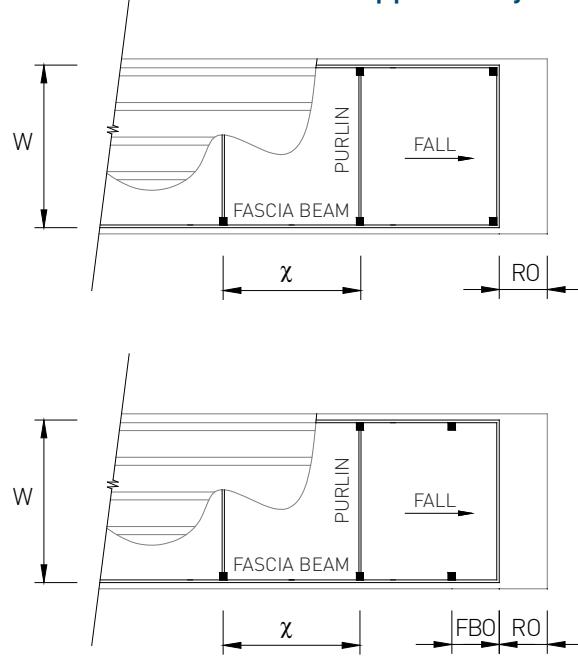
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	6000	6000	6000	6000	4380
1800	6000	6000	6000	4460	3040
2100	6000	6000	5000	3270	2230
2400	6000	5840	3830	2510	1710
2700	5860	4890	3020	1980	n/a
3000	4750	3960	2450	1600	n/a
3300	3920	3270	2020	n/a	n/a
3600	3290	2750	1700	n/a	n/a
3900	2810	2340	n/a	n/a	n/a
4200	2420	2020	n/a	n/a	n/a
4500	2110	1670	n/a	n/a	n/a
4800	1850	n/a	n/a	n/a	n/a
5100	1560	n/a	n/a	n/a	n/a
FBO	700	700	700	699	590
Screws Req'd	8	8	12	12	20

CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
χ					
1500	7500	7500	7500	7500	7500
1800	7500	7500	7500	7500	7061
2100	7500	7500	7500	7500	5188
2400	7500	7500	7500	5814	3972
2700	7500	7500	7017	4594	3138
3000	7500	7345	5683	3721	2542
3300	7500	6678	4697	3075	2101
3600	7333	6121	3947	2584	1765
3900	6512	5435	3363	2202	1504
4200	5615	4687	2900	1898	n/a
4500	4891	4083	2526	1654	n/a
4800	4299	3588	2220	n/a	n/a
5100	3808	3178	1967	n/a	n/a
5400	3397	2835	1754	n/a	n/a
5700	3048	2544	1574	n/a	n/a
6000	2751	2296	n/a	n/a	n/a
6300	2495	2083	n/a	n/a	n/a
6600	2262	1832	n/a	n/a	n/a
6900	1893	1603	n/a	n/a	n/a
7200	1597	n/a	n/a	n/a	n/a
7500	n/a	n/a	n/a	n/a	n/a
FBO	1200	1200	1090	900	740
Screws Req'd	8	8	12	12	20

Roof Sheet – Continuous Span with Overhang Purlins – Supported by Posts



Drawing Legend

W:	Awnning frame width or purlin span
x:	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang
RO:	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.

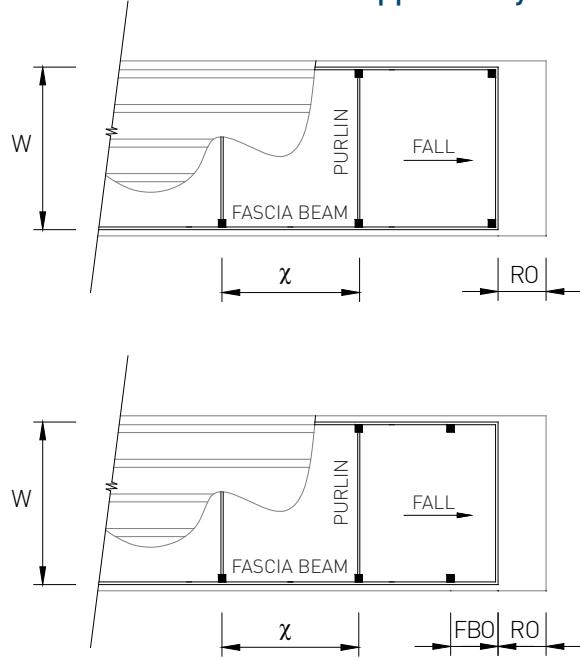
NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- As all beams are supported by posts in this application the front fascia beams are not structural and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

CB 200 -20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)				
	N1 (W28)	N2 (W33)	N3 (W41)	N4 (W50)	N5 (W60)
	χ				
1500	9000	9000	9000	9000	9000
1800	9000	9000	9000	9000	9000
2100	9000	9000	9000	9000	9000
2400	9000	9000	9000	9000	8603
2700	9000	9000	9000	9000	6798
3000	9000	9000	9000	8060	5506
3300	9000	9000	9000	6661	4551
3600	9000	9000	8550	5597	3824
3900	9000	8732	7285	4769	3258
4200	9000	8108	6281	4112	2809
4500	9000	7568	5472	3582	2447
4800	8500	7095	4809	3148	2151
5100	8000	6678	4260	2789	1905
5400	7358	6141	3800	2488	1699
5700	6603	5512	3410	2233	n/a
6000	5960	4974	3078	2015	n/a
6300	5406	4512	2792	1828	n/a
6600	4925	4111	2544	1665	n/a
6900	4506	3761	2327	n/a	n/a
7200	4139	3454	2137	n/a	n/a
7500	3520	3184	1970	n/a	n/a
7800	3009	2881	1821	n/a	n/a
8100	2588	2572	1666	n/a	n/a
8400	2237	2237	n/a	n/a	n/a
8700	1944	1944	n/a	n/a	n/a
9000	1698	1698	n/a	n/a	n/a
FBO	1800	1800	1570	1300	1050
Screws Req'd	8	8	12	12	20

Roof Sheet – Continuous Span with Overhang Purlins – Supported by Posts



Drawing Legend

W:	Awnning frame width or purlin span
χ :	Maximum post spacing or fascia beam span
FBO:	Maximum fascia beam overhang
RO:	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.

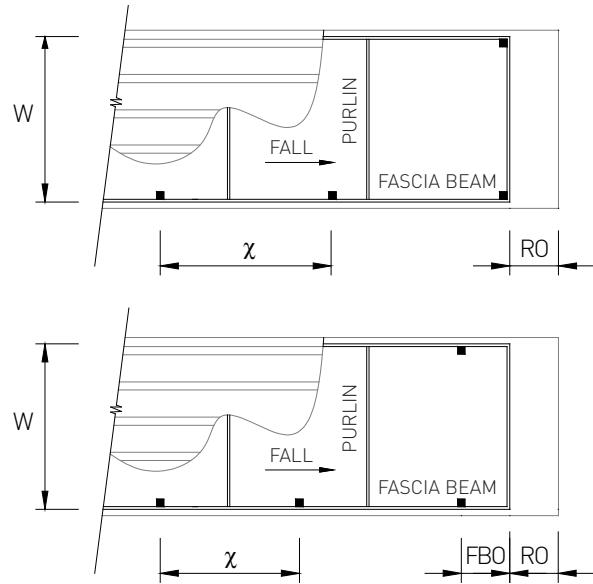
NOTES:

- Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
- All dimensions on tables are in millimetres.
- As all beams are supported by posts in this application the front fascia beams are not structural and can be omitted.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

Roof Sheet – Continuous Span with Overhang Purlins – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam® design notes, Technical specifications and Working with Colorbeam®.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.


Drawing Legend

<i>W:</i>	<i>Awning frame width or purlin span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>FBO:</i>	<i>Maximum fascia beam overhang</i>
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

CB 100-12 Colorbeam

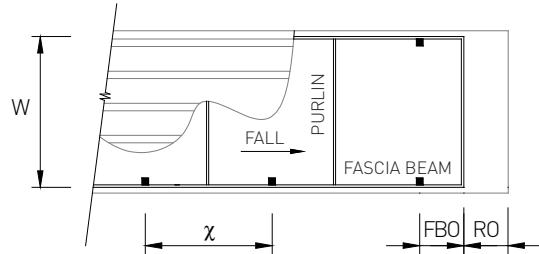
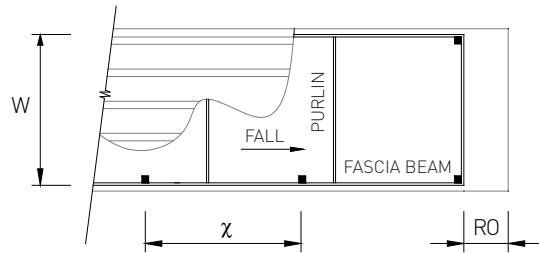
W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	5339	4500	4878	4500	3837	4500	3105	4500	2566	4390
1800	4874	4500	4453	4500	3503	4500	2834	4462	2342	3048
2100	4513	4500	4123	4500	3243	4500	2624	3278	2169	2240
2400	4221	4500	3856	4500	3033	3834	2454	2510	2029	1715
2700	3980	4500	3636	4500	2860	3029	2314	1983	1913	1355
3000	3775	4500	3449	3966	2713	2454	2195	1606	1814	1097
3300	3600	3927	3289	3278	2587	2028	2093	1328	1730	907
3600	3446	3300	3149	2754	2477	1704	2004	1116	1656	762
3900	3311	2811	3025	2347	2380	1452	1925	951	1591	649
4200	3191	2424	2915	2023	2293	1252	1855	820	1534	n/a
4500	3083	2112	2816	1680	2215	1088	1792	714	n/a	n/a
4800	2985	1856	2727	1384	2145	897	1736	603	n/a	n/a
5100	2896	1567	2645	1154	2081	748	1684	n/a	n/a	n/a
5400	2814	1320	2571	972	2022	630	1636	n/a	n/a	n/a
5700	2739	1122	2460	827	1968	n/a	1593	n/a	n/a	n/a
6000	2670	962	2337	709	1919	n/a	1552	n/a	n/a	n/a
6300	2605	792	2226	612	1872	n/a	1515	n/a	n/a	n/a
6600	2545	657	2125	n/a	1829	n/a	n/a	n/a	n/a	n/a
FBO	700		700		700		700		589	
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Overhang Purlins – Supported by Fascia Beam

NOTES:

- Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

CB 150-16 Colorbeam



Drawing Legend

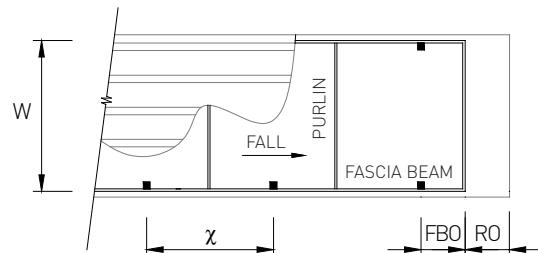
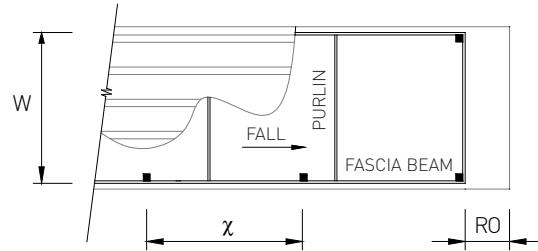
<i>W:</i>	Awnning frame width or purlin span
<i>x:</i>	Maximum post spacing or fascia beam span
<i>FBO:</i>	Maximum fascia beam overhang
<i>P:</i>	Maximum purlin spacing
<i>RO:</i>	Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	x	P	x	P	x	P	x	P	x	P
1500	7500	4500	7424	4500	5840	4500	4725	4500	3905	4500
1800	7418	4500	6777	4500	5331	4500	4313	4500	3565	4500
2100	6868	4500	6274	4500	4935	4500	3993	4500	3301	4500
2400	6424	4500	5869	4500	4617	4500	3735	4500	3087	3972
2700	6057	4500	5533	4500	4353	4500	3522	4500	2911	3138
3000	5746	4500	5249	4500	4129	4500	3341	3721	2761	2542
3300	5478	4500	5005	4500	3937	4500	3186	3075	2633	2101
3600	5245	4500	4792	4500	3769	3947	3050	2584	2521	1765
3900	5039	4500	4604	4500	3622	3363	2930	2202	2422	1504
4200	4856	4500	4437	4500	3490	2900	2824	1898	2334	1297
4500	4691	4500	4286	4083	3371	2526	2728	1654	2255	1130
4800	4542	4299	4150	3588	3264	2220	2641	1453	2183	993
5100	4407	3808	4026	3178	3167	1967	2562	1287	2118	880
5400	4283	3397	3913	2835	3078	1754	2490	1148	2058	785
5700	4168	3048	3808	2544	2996	1574	2424	1031	2003	704
6000	4063	2751	3673	2296	2920	1421	2362	930	1953	635
6300	3965	2495	3498	2083	2849	1289	2306	844	1906	576
6600	3874	2262	3339	1832	2784	1174	2253	769	1862	525
6900	3789	1893	3194	1603	2723	1039	2203	698	1821	481
7200	3667	1597	3061	1411	2665	914	2157	615	1783	n/a
7500	3520	1356	2938	1248	2612	809	2113	544	1746	n/a
7800	3385	1159	2825	1110	2561	719	2072	483	1713	n/a
8100	3259	997	2720	991	2513	642	2033	n/a	1681	n/a
8400	3143	862	2623	862	2435	576	1997	n/a	1650	n/a
8700	3034	749	2533	749	2351	518	1962	n/a	1622	n/a
9000	2933	654	2448	654	2272	468	1929	n/a	1594	n/a
FBO	1200		1200		1200		1200		950	
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Overhang Purlins – Supported by Fascia Beam

NOTES:

- Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

CB 200-20 Colorbeam

Drawing Legend

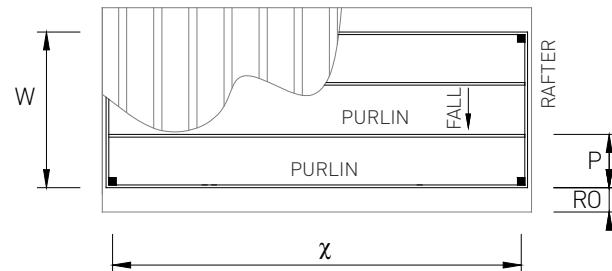
<i>W:</i>	<i>Awnning frame width or purlin span</i>
<i>x:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>FBO:</i>	<i>Maximum fascia beam overhang</i>
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

W	MAXIMUM ALLOWABLE SPAN [mm]									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	x	P	x	P	x	P	x	P	x	P
1500	9000	4500	9000	4500	8595	4500	6954	4500	5748	4500
1800	9000	4500	9000	4500	7846	4500	6348	4500	5247	4500
2100	9000	4500	9000	4500	7264	4500	5877	4500	4858	4500
2400	9000	4500	8638	4500	6795	4500	5498	4500	4544	4500
2700	8914	4500	8144	4500	6406	4500	5183	4500	4284	4500
3000	8457	4500	7726	4500	6077	4500	4917	4500	4064	4500
3300	8063	4500	7367	4500	5795	4500	4688	4500	3875	4500
3600	7720	4500	7053	4500	5548	4500	4489	4500	3710	3824
3900	7417	4500	6776	4500	5330	4500	4313	4500	3565	3258
4200	7147	4500	6530	4500	5136	4500	4156	4112	3435	2809
4500	6905	4500	6308	4500	4962	4500	4015	3582	3318	2447
4800	6686	4500	6108	4500	4805	4500	3887	3148	3213	2151
5100	6486	4500	5926	4500	4661	4260	3771	2789	3117	1905
5400	6303	4500	5759	4500	4530	3800	3665	2488	3029	1699
5700	6135	4500	5605	4500	4409	3410	3567	2233	2949	1525
6000	5980	4500	5463	4500	4297	3078	3477	2015	2874	1377
6300	5836	4500	5332	4500	4194	2792	3393	1828	2805	1249
6600	5701	4500	5160	4111	4097	2544	3315	1665	2740	1138
6900	5576	4500	4936	3761	4007	2327	3242	1524	2680	1041
7200	5459	4139	4730	3454	3923	2137	3174	1399	2623	956
7500	5348	3520	4541	3184	3844	1970	3110	1290	2570	881
7800	5231	3009	4366	2881	3769	1821	3050	1192	2521	815
8100	5037	2588	4204	2572	3699	1666	2993	1106	2473	755
8400	4857	2237	4054	2237	3632	1494	2939	1005	2429	698
8700	4690	1944	3914	1944	3569	1345	2888	904	2387	628
9000	4533	1698	3784	1698	3509	1215	2839	817	2347	n/a
FBO	1800		1800		1800		1800		1440	
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Purlins – Supported by Rafters

NOTES:

1. Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

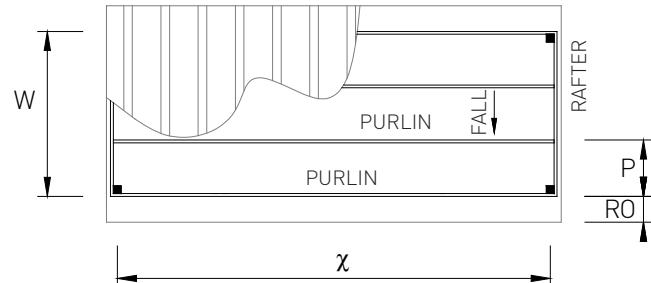
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	6000	962	6000	709	6000	459	6000	n/a	6000	n/a
1800	6000	962	6000	709	6000	459	6000	n/a	6000	n/a
2100	6000	962	6000	709	6000	459	6000	n/a	4479	492
2400	6000	962	6000	709	6000	459	5020	527	3430	840
2700	6000	962	6000	709	6000	459	3967	919	2710	1345
3000	6000	962	6000	709	4908	839	3213	1401	2195	2050
3300	6000	962	6000	709	4056	1342	2655	2051	1814	3002
3600	6000	962	5508	916	3408	1901	2231	2904	1524	4251
3900	5623	1169	4693	1481	2904	2619	1901	4000	1299	4500
4200	4848	1819	4047	2179	2504	3523	1639	4500	1120	4500
4500	4223	2397	3359	3163	2176	4500	1428	4500	n/a	4500
4800	3712	3103	2768	4500	1793	4500	1206	4500	n/a	4500
5100	3134	4353	2308	4500	1495	4500	1005	4500	n/a	4500
5400	2640	4500	1944	4500	1259	4500	n/a	4500	n/a	4500
5700	2245	4500	1653	4500	1071	4500	n/a	4500	n/a	4500
6000	1925	4500	1417	4500	n/a	4500	n/a	4500	n/a	4500
6300	1583	4500	1224	4500	n/a	4500	n/a	4500	n/a	4500
6600	1315	4500	1065	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Purlins – Supported by Rafters

NOTES:

- Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

<i>W:</i>	<i>Awning frame width or rafter span</i>
<i>X:</i>	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

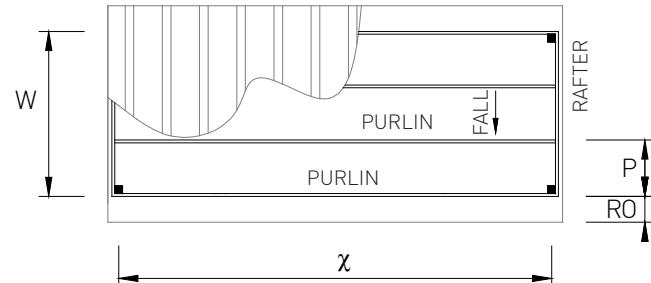
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	7500	654	7500	654	7500	468	7500	n/a	7500	n/a
1800	7500	654	7500	654	7500	468	7500	n/a	7500	n/a
2100	7500	654	7500	654	7500	468	7500	n/a	7500	n/a
2400	7500	654	7500	654	7500	468	7500	n/a	7500	n/a
2700	7500	654	7500	654	7500	468	7500	n/a	6276	581
3000	7500	654	7500	654	7500	468	7442	557	5084	885
3300	7500	654	7500	654	7500	468	6150	885	4201	1296
3600	7500	654	7500	654	7500	694	5168	1254	3530	1835
3900	7500	654	7500	654	6726	1121	4403	1727	3008	2528
4200	7500	654	7500	654	5799	1521	3797	2323	2594	3400
4500	7500	654	7500	966	5052	2004	3307	3061	2259	4481
4800	7500	785	7176	1425	4440	2594	2907	3963	1986	4500
5100	7500	1276	6357	2046	3933	3307	2575	4500	1759	4500
5400	6793	2015	5670	2571	3508	4156	2297	4500	1569	4500
5700	6097	2664	5089	3192	3149	4500	2061	4500	1408	4500
6000	5502	3271	4593	3919	2842	4500	1860	4500	1271	4500
6300	4991	3976	4166	4500	2578	4500	1687	4500	1153	4500
6600	4523	4500	3664	4500	2349	4500	1538	4500	1050	4500
6900	3787	4500	3207	4500	2077	4500	1397	4500	n/a	4500
7200	3194	4500	2822	4500	1828	4500	1229	4500	n/a	4500
7500	2713	4500	2497	4500	1618	4500	1088	4500	n/a	4500
7800	2319	4500	2220	4500	1438	4500	n/a	4500	n/a	4500
8100	1994	4500	1982	4500	1284	4500	n/a	4500	n/a	4500
8400	1724	4500	1724	4500	1151	4500	n/a	4500	n/a	4500
8700	1498	4500	1498	4500	1036	4500	n/a	4500	n/a	4500
9000	1308	4500	1308	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Purlins – Supported by Rafters

NOTES:

1. Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

<i>W:</i>	<i>Awning frame width or rafter span</i>
<i>X:</i>	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

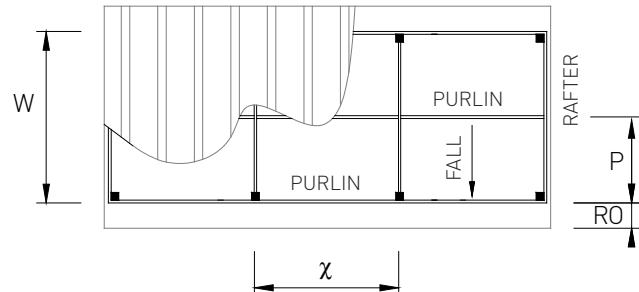
CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	9000	1698	9000	1698	9000	1215	9000	817	9000	567
1800	9000	1698	9000	1698	9000	1215	9000	817	9000	567
2100	9000	1698	9000	1698	9000	1215	9000	817	9000	567
2400	9000	1698	9000	1698	9000	1215	9000	817	9000	567
2700	9000	1698	9000	1698	9000	1215	9000	817	9000	567
3000	9000	1698	9000	1698	9000	1215	9000	817	9000	567
3300	9000	1698	9000	1698	9000	1215	9000	817	9000	567
3600	9000	1698	9000	1698	9000	1215	9000	817	7647	847
3900	9000	1698	9000	1698	9000	1215	9000	817	6516	1167
4200	9000	1698	9000	1698	9000	1215	8224	1070	5619	1570
4500	9000	1698	9000	1698	9000	1215	7164	1413	4894	2069
4800	9000	1698	9000	1698	9000	1215	6297	1829	4302	2678
5100	9000	1698	9000	1698	8520	1432	5578	2332	3811	3413
5400	9000	1698	9000	1698	7600	1919	4975	2930	3399	4290
5700	9000	1698	9000	1698	6821	2382	4465	3638	3051	4500
6000	9000	1698	9000	1698	6156	2924	4030	4467	2753	4500
6300	9000	1698	9000	1698	5583	3554	3655	4500	2497	4500
6600	9000	1698	8222	2437	5087	4281	3331	4500	2275	4500
6900	9000	1698	7523	3164	4655	4500	3047	4500	2082	4500
7200	8277	2373	6909	3752	4275	4500	2799	4500	1912	4500
7500	7041	4328	6367	4417	3940	4500	2579	4500	1762	4500
7800	6019	4500	5761	4500	3642	4500	2385	4500	1629	4500
8100	5175	4500	5145	4500	3333	4500	2211	4500	1511	4500
8400	4475	4500	4475	4500	2988	4500	2009	4500	1395	4500
8700	3889	4500	3889	4500	2690	4500	1809	4500	1256	4500
9000	3396	4500	3396	4500	2430	4500	1634	4500	1135	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Rafters – Supported by Posts

NOTES:

1. Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

W:	<i>Awning frame width or rafter span</i>
X:	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
P:	<i>Maximum purlin spacing</i>
RO:	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

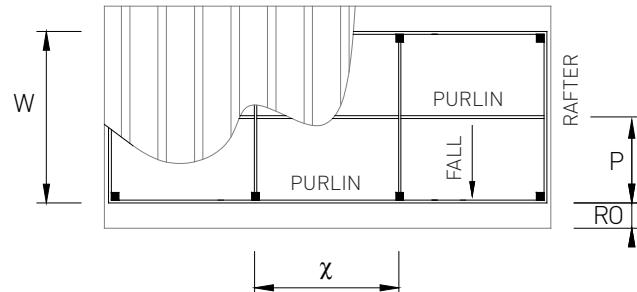
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	6000	962	6000	709	6000	n/a	6000	n/a	4390	n/a
1800	6000	962	6000	709	6000	n/a	4462	726	3048	1063
2100	6000	962	6000	709	5008	790	3278	1345	2240	1969
2400	6000	962	5843	767	3834	1502	2510	2295	1715	3359
2700	5866	1030	4896	1304	3029	2406	1983	3676	n/a	4500
3000	4751	1894	3966	2269	2454	3668	1606	4500	n/a	4500
3300	3927	2773	3278	3323	2028	4500	n/a	4500	n/a	4500
3600	3300	3928	2754	4500	1704	4500	n/a	4500	n/a	4500
3900	2811	4500	2347	4500	n/a	4500	n/a	4500	n/a	4500
4200	2424	4500	2023	4500	n/a	4500	n/a	4500	n/a	4500
4500	2112	4500	1680	4500	n/a	4500	n/a	4500	n/a	4500
4800	1856	4500	n/a	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Rafters – Supported by Posts

NOTES:

1. Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

W:	<i>Awning frame width or rafter span</i>
X:	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
P:	<i>Maximum purlin spacing</i>
RO:	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

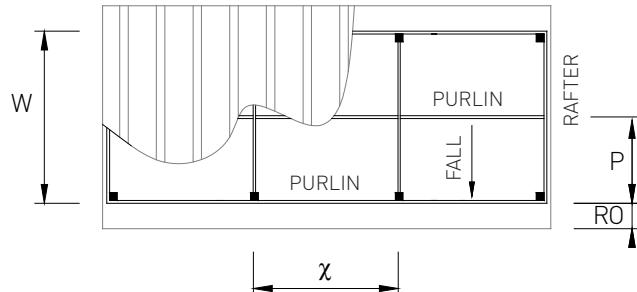
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	7500	654	7500	654	7500	n/a	7500	n/a	7500	n/a
1800	7500	654	7500	654	7500	n/a	7500	n/a	7061	n/a
2100	7500	654	7500	654	7500	n/a	7500	n/a	5188	850
2400	7500	654	7500	654	7500	n/a	5814	991	3972	1450
2700	7500	654	7500	967	7017	988	4594	1587	3138	2323
3000	7500	716	7345	1329	5683	1584	3721	2419	2542	3541
3300	7500	1048	6678	1769	4697	2318	3075	3541	2101	4500
3600	7333	1484	6121	2206	3947	3284	2584	4500	1765	4500
3900	6512	2336	5435	2798	3363	4500	2202	4500	1504	4500
4200	5615	3142	4687	3764	2900	4500	1898	4500	n/a	4500
4500	4891	4140	4083	4500	2526	4500	1654	4500	n/a	4500
4800	4299	4500	3588	4500	2220	4500	n/a	4500	n/a	4500
5100	3808	4500	3178	4500	1967	4500	n/a	4500	n/a	4500
5400	3397	4500	2835	4500	1754	4500	n/a	4500	n/a	4500
5700	3048	4500	2544	4500	1574	4500	n/a	4500	n/a	4500
6000	2751	4500	2296	4500	n/a	4500	n/a	4500	n/a	4500
6300	2495	4500	2083	4500	n/a	4500	n/a	4500	n/a	4500
6600	2262	4500	1832	4500	n/a	4500	n/a	4500	n/a	4500
6900	1893	4500	1603	4500	n/a	4500	n/a	4500	n/a	4500
7200	1597	4500	n/a	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span with Optional Overhang Rafters – Supported by Posts

NOTES:

1. Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

W:	<i>Awning frame width or rafter span</i>
X:	<ul style="list-style-type: none"> – Maximum post spacing – Maximum rafter spacing – Maximum purlin span
P:	<i>Maximum purlin spacing</i>
RO:	<i>Roof Sheet Overhang. Span tables allow for a maximum allowable overhang of 25% of purlin spacing (P) or 600mm. Use lowest value.</i>

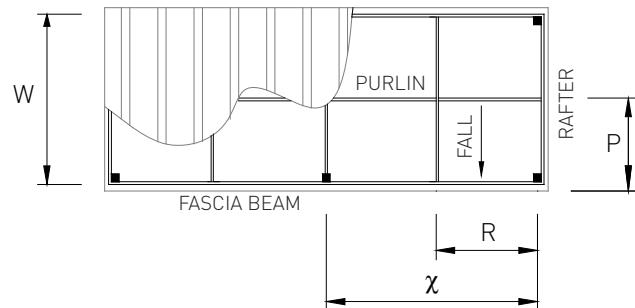
CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)									
	N1 (W28)		N2 (W33)		N3 (W41)		N4 (W50)		N5 (W60)	
	X	P	X	P	X	P	X	P	X	P
1500	6000	1698	6000	1698	6000	1215	6000	817	6000	n/a
1800	6000	1698	6000	1698	6000	1215	6000	817	6000	n/a
2100	6000	1698	6000	1698	6000	1215	6000	817	6000	n/a
2400	6000	1698	6000	1698	6000	1215	6000	817	6000	649
2700	6000	1698	6000	1698	6000	1215	6000	817	6000	1072
3000	6000	1698	6000	1698	6000	1215	6000	1117	5506	1635
3300	6000	1698	6000	1698	6000	1215	6000	1635	4551	2393
3600	6000	1698	6000	1698	6000	1417	5597	2315	3824	3389
3900	6000	1698	6000	1916	6000	2088	4769	3189	3258	4500
4200	6000	1698	6000	2564	6000	2808	4112	4290	2809	4500
4500	6000	1698	6000	3127	5472	3701	3582	4500	2447	4500
4800	6000	2134	6000	3558	4809	4500	3148	4500	2151	4500
5100	6000	2720	6000	4016	4260	4500	2789	4500	1905	4500
5400	6000	3801	6000	4500	3800	4500	2488	4500	1699	4500
5700	6000	4500	5512	4500	3410	4500	2233	4500	n/a	4500
6000	5960	4500	4974	4500	3078	4500	2015	4500	n/a	4500
6300	5406	4500	4512	4500	2792	4500	1828	4500	n/a	4500
6600	4925	4500	4111	4500	2544	4500	1665	4500	n/a	4500
6900	4506	4500	3761	4500	2327	4500	n/a	4500	n/a	4500
7200	4139	4500	3454	4500	2137	4500	n/a	4500	n/a	4500
7500	3520	4500	3184	4500	1970	4500	n/a	4500	n/a	4500
7800	3009	4500	2881	4500	1821	4500	n/a	4500	n/a	4500
8100	2588	4500	2572	4500	1666	4500	n/a	4500	n/a	4500
8400	2237	4500	2237	4500	n/a	4500	n/a	4500	n/a	4500
8700	1944	4500	1944	4500	n/a	4500	n/a	4500	n/a	4500
9000	1698	4500	1698	4500	n/a	4500	n/a	4500	n/a	4500
Screws Req'd	8		8		12		12		20	

Roof Sheet – Continuous Span Rafters – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>

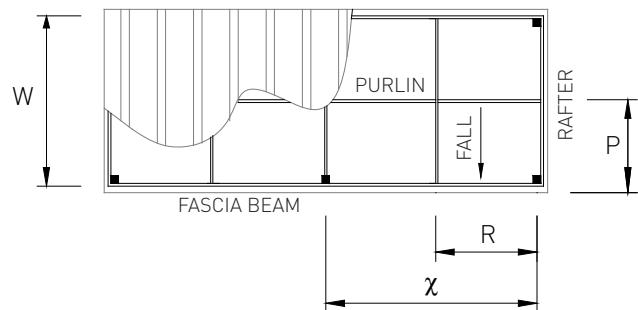
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	6000	6000	962	6000	5888	709	6000	5094	n/a	6000	4391	n/a	4390	3629	n/a
1800	6000	6000	962	6000	5540	709	6000	4794	n/a	4462	4008	726	3048	3313	1063
2100	6000	5828	962	6000	5263	709	5008	4554	790	3278	3711	1345	2240	3067	1969
2400	6000	5574	962	5843	5034	767	3834	4290	1502	2510	3471	2295	1715	2869	3359
2700	5866	5360	1030	4896	4840	1304	3029	4045	2406	1983	3273	3676	1355	2705	4500
3000	4751	5175	1894	3966	4673	2269	2454	3837	3668	1606	3105	4500	1097	2566	4500
3300	3927	5013	2773	3278	4527	3323	2028	3658	4500	1328	2960	4500	n/a	2447	4500
3600	3300	4870	3928	2754	4397	4500	1704	3503	4500	1116	2834	4500	n/a	2342	4500
3900	2811	4683	4500	2347	4278	4500	1452	3365	4500	n/a	2723	4500	n/a	2251	4500
4200	2424	4513	4500	2023	4123	4500	1252	3243	4500	n/a	2624	4500	n/a	2169	4500
4500	2112	4360	4500	1680	3983	4500	1088	3133	4500	n/a	2535	4500	n/a	2095	4500
4800	1856	4221	4500	1384	3856	4500	n/a	3033	4500	n/a	2454	4500	n/a	2029	4500
5100	1567	4095	4500	1154	3741	4500	n/a	2943	4500	n/a	2381	4500	n/a	1968	4500
5400	1320	3980	4500	n/a	3636	4500	n/a	2860	4500	n/a	2314	4500	n/a	1913	4500
5700	1122	3874	4500	n/a	3539	4500	n/a	2784	4500	n/a	2252	4500	n/a	1862	4500
6000	n/a	3775	4500	n/a	3449	4500	n/a	2713	4500	n/a	2195	4500	n/a	1814	4500
6300	n/a	3684	4500	n/a	3366	4500	n/a	2648	4500	n/a	2142	4500	n/a	1771	4500
6600	n/a	3600	4500	n/a	3289	4500	n/a	2587	4500	n/a	2093	4500	n/a	1730	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span Rafters – Supported by Fascia Beam

NOTES:

- Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

W:	<i>Awnning frame width or rafter span</i>
X:	<i>Maximum post spacing or fascia beam span</i>
R:	<i>Maximum rafter spacing or purlin span</i>
P:	<i>Maximum purlin spacing</i>

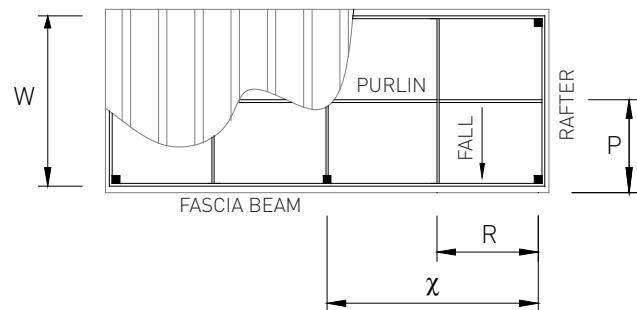
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	7500	7500	654	7500	7500	654	7500	7500	n/a	7500	6682	n/a	7500	5523	n/a
1800	7500	7500	654	7500	7500	654	7500	7238	n/a	7500	6100	n/a	7061	5042	n/a
2100	7500	7500	654	7500	7500	654	7500	6875	n/a	7500	5647	n/a	5188	4668	850
2400	7500	7500	654	7500	7500	654	7500	6529	n/a	5814	5283	991	3972	4366	1450
2700	7500	7500	654	7500	7307	967	7017	6155	988	4594	4981	1587	3138	4117	2323
3000	7500	7314	716	7345	7055	1329	5683	5840	1584	3721	4725	2419	2542	3905	3541
3300	7500	7141	1048	6678	6834	1769	4697	5568	2318	3075	4505	3541	2101	3724	4500
3600	7333	6988	1484	6121	6639	2206	3947	5331	3284	2584	4313	4500	1765	3565	4500
3900	6512	6849	2336	5435	6464	2798	3363	5122	4500	2202	4144	4500	1504	3425	4500
4200	5615	6724	3142	4687	6274	3764	2900	4935	4500	1898	3993	4500	1297	3301	4500
4500	4891	6609	4140	4083	6062	4500	2526	4768	4500	1654	3858	4500	1130	3189	4500
4800	4299	6424	4500	3588	5869	4500	2220	4617	4500	1453	3735	4500	n/a	3087	4500
5100	3808	6232	4500	3178	5694	4500	1967	4479	4500	1287	3624	4500	n/a	2995	4500
5400	3397	6057	4500	2835	5533	4500	1754	4353	4500	1148	3522	4500	n/a	2911	4500
5700	3048	5895	4500	2544	5386	4500	1574	4236	4500	1031	3428	4500	n/a	2833	4500
6000	2751	5746	4500	2296	5249	4500	1421	4129	4500	n/a	3341	4500	n/a	2761	4500
6300	2495	5607	4500	2083	5123	4500	1289	4030	4500	n/a	3261	4500	n/a	2695	4500
6600	2262	5478	4500	1832	5005	4500	1174	3937	4500	n/a	3186	4500	n/a	2633	4500
6900	1893	5358	4500	1603	4895	4500	1039	3850	4500	n/a	3116	4500	n/a	2575	4500
7200	1597	5245	4500	1411	4792	4500	n/a	3769	4500	n/a	3050	4500	n/a	2521	4500
7500	1356	5139	4500	1248	4695	4500	n/a	3693	4500	n/a	2988	4500	n/a	2470	4500
7800	1159	5039	4500	1110	4604	4500	n/a	3622	4500	n/a	2930	4500	n/a	2422	4500
8100	n/a	4945	4500	n/a	4518	4500	n/a	3554	4500	n/a	2875	4500	n/a	2377	4500
8400	n/a	4856	4500	n/a	4437	4500	n/a	3490	4500	n/a	2824	4500	n/a	2334	4500
8700	n/a	4772	4500	n/a	4359	4500	n/a	3429	4500	n/a	2775	4500	n/a	2293	4500
9000	n/a	4691	4500	n/a	4286	4500	n/a	3371	4500	n/a	2728	4500	n/a	2255	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span Rafters – Supported by Fascia Beam

NOTES:

- Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>

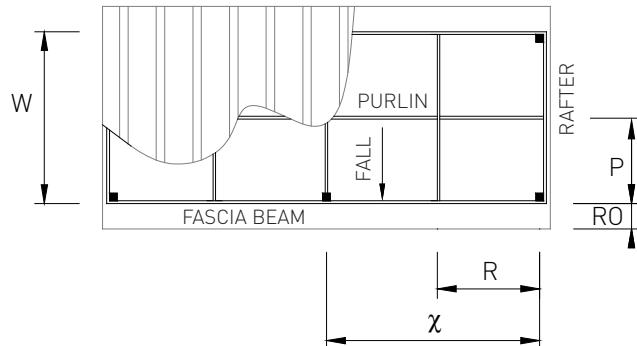
CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	9000	9000	1698	9000	9000	1698	9000	9000	1215	9000	9000	817	9000	8129	n/a
1800	9000	9000	1698	9000	9000	1698	9000	9000	1215	9000	8714	817	9000	7420	n/a
2100	9000	9000	1698	9000	9000	1698	9000	9000	1215	9000	8277	817	9000	6870	n/a
2400	9000	9000	1698	9000	9000	1698	9000	9000	1215	9000	7775	817	8603	6426	649
2700	9000	9000	1698	9000	9000	1698	9000	8689	1215	9000	7330	817	6798	6059	1072
3000	9000	9000	1698	9000	9000	1698	9000	8389	1215	8060	6954	1117	5506	5748	1635
3300	9000	9000	1698	9000	9000	1698	9000	8127	1215	6661	6630	1635	4551	5480	2393
3600	9000	8869	1698	9000	8869	1698	8550	7846	1417	5597	6348	2315	3824	5247	3389
3900	9000	8694	1698	8732	8694	1916	7285	7538	2088	4769	6099	3189	3258	5041	4500
4200	9000	8534	1698	8108	8534	2564	6281	7264	2808	4112	5877	4290	2809	4858	4500
4500	9000	8388	1698	7568	8388	3127	5472	7018	3701	3582	5678	4500	2447	4693	4500
4800	8500	8254	2134	7095	8254	3558	4809	6795	4500	3148	5498	4500	2151	4544	4500
5100	8000	8130	2720	6678	8124	4016	4260	6592	4500	2789	5334	4500	1905	4408	4500
5400	7358	8014	3801	6141	7970	4500	3800	6406	4500	2488	5183	4500	1699	4284	4500
5700	6603	7907	4500	5512	7828	4500	3410	6235	4500	2233	5045	4500	n/a	4170	4500
6000	5960	7806	4500	4974	7695	4500	3078	6077	4500	2015	4917	4500	n/a	4064	4500
6300	5406	7711	4500	4512	7540	4500	2792	5931	4500	1828	4799	4500	n/a	3966	4500
6600	4925	7622	4500	4111	7367	4500	2544	5795	4500	1665	4688	4500	n/a	3875	4500
6900	4506	7538	4500	3761	7205	4500	2327	5667	4500	n/a	4585	4500	n/a	3790	4500
7200	4139	7458	4500	3454	7053	4500	2137	5548	4500	n/a	4489	4500	n/a	3710	4500
7500	3520	7383	4500	3184	6910	4500	1970	5436	4500	n/a	4398	4500	n/a	3635	4500
7800	3009	7310	4500	2881	6776	4500	1821	5330	4500	n/a	4313	4500	n/a	3565	4500
8100	2588	7242	4500	2572	6650	4500	1666	5231	4500	n/a	4232	4500	n/a	3498	4500
8400	2237	7147	4500	2237	6530	4500	n/a	5136	4500	n/a	4156	4500	n/a	3435	4500
8700	1944	7023	4500	1944	6416	4500	n/a	5047	4500	n/a	4084	4500	n/a	3375	4500
9000	1698	6905	4500	1698	6308	4500	n/a	4962	4500	n/a	4015	4500	n/a	3318	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span with Overhang Rafters – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.



Drawing Legend

<i>W:</i>	<i>Awnning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

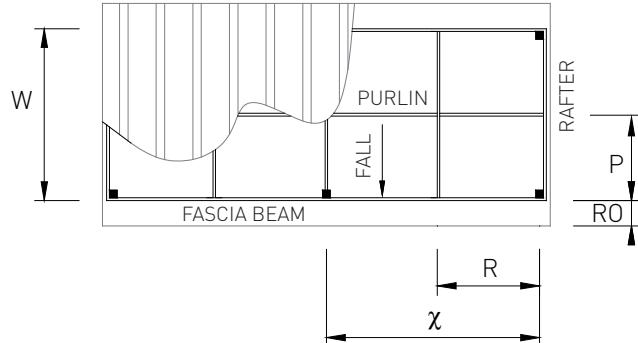
CB 100-12 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	6000	5360	962	6000	4840	709	6000	4045	n/a	6000	3273	n/a	4390	2705	n/a
1800	6000	5175	962	6000	4673	709	6000	3837	n/a	4462	3105	726	3048	2566	1063
2100	6000	5013	962	6000	4527	709	5008	3658	790	3278	2960	1345	2240	2447	1969
2400	6000	4870	962	5843	4397	767	3834	3503	1502	2510	2834	2295	1715	2342	3359
2700	5866	4683	1030	4896	4278	1304	3029	3365	2406	1983	2723	3676	1355	2251	4500
3000	4751	4513	1894	3966	4123	2269	2454	3243	3668	1606	2624	4500	1097	2169	4500
3300	3927	4360	2773	3278	3983	3323	2028	3133	4500	1328	2535	4500	n/a	2095	4500
3600	3300	4221	3928	2754	3856	4500	1704	3033	4500	1116	2454	4500	n/a	2029	4500
3900	2811	4095	4500	2347	3741	4500	1452	2943	4500	n/a	2381	4500	n/a	1968	4500
4200	2424	3980	4500	2023	3636	4500	1252	2860	4500	n/a	2314	4500	n/a	1913	4500
4500	2112	3874	4500	1680	3539	4500	1088	2784	4500	n/a	2252	4500	n/a	1862	4500
4800	1856	3775	4500	1384	3449	4500	n/a	2713	4500	n/a	2195	4500	n/a	1814	4500
5100	1567	3684	4500	1154	3366	4500	n/a	2648	4500	n/a	2142	4500	n/a	1771	4500
5400	1320	3600	4500	n/a	3289	4500	n/a	2587	4500	n/a	2093	4500	n/a	1730	4500
5700	1122	3521	4500	n/a	3216	4500	n/a	2530	4500	n/a	2047	4500	n/a	1692	4500
6000	n/a	3446	4500	n/a	3149	4500	n/a	2477	4500	n/a	2004	4500	n/a	1656	4500
6300	n/a	3377	4500	n/a	3085	4500	n/a	2427	4500	n/a	1964	4500	n/a	1623	4500
6600	n/a	3311	4500	n/a	3025	4500	n/a	2380	4500	n/a	1925	4500	n/a	1591	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span with Overhang Rafters – Supported by Fascia Beam

NOTES:

1. Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
2. All dimensions on tables are in millimetres.
3. These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
4. Values that are not listed in these tables can be interpolated between the given values.
5. For roof sheet spans check with manufacturer's specifications.
6. Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

<i>W:</i>	<i>Awning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

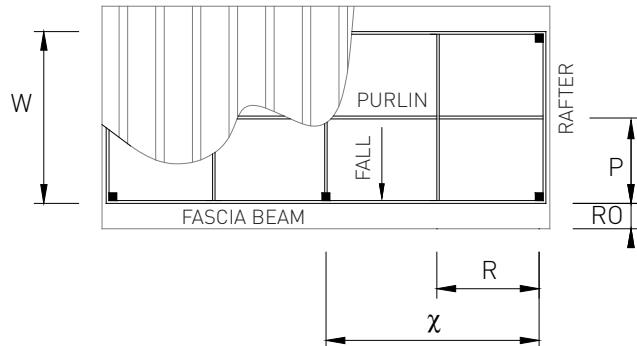
CB 150-16 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	7500	7500	654	7500	7307	654	7500	6155	n/a	7500	4981	n/a	7500	4117	n/a
1800	7500	7314	654	7500	7055	654	7500	5840	n/a	7500	4725	n/a	7061	3905	n/a
2100	7500	7141	654	7500	6834	654	7500	5568	n/a	7500	4505	n/a	5188	3724	850
2400	7500	6988	654	7500	6639	654	7500	5331	n/a	5814	4313	991	3972	3565	1450
2700	7500	6849	654	7500	6464	967	7017	5122	988	4594	4144	1587	3138	3425	2323
3000	7500	6724	716	7345	6274	1329	5683	4935	1584	3721	3993	2419	2542	3301	3541
3300	7500	6609	1048	6678	6062	1769	4697	4768	2318	3075	3858	3541	2101	3189	4500
3600	7333	6424	1484	6121	5869	2206	3947	4617	3284	2584	3735	4500	1765	3087	4500
3900	6512	6232	2336	5435	5694	2798	3363	4479	4500	2202	3624	4500	1504	2995	4500
4200	5615	6057	3142	4687	5533	3764	2900	4353	4500	1898	3522	4500	1297	2911	4500
4500	4891	5895	4140	4083	5386	4500	2526	4236	4500	1654	3428	4500	1130	2833	4500
4800	4299	5746	4500	3588	5249	4500	2220	4129	4500	1453	3341	4500	n/a	2761	4500
5100	3808	5607	4500	3178	5123	4500	1967	4030	4500	1287	3261	4500	n/a	2695	4500
5400	3397	5478	4500	2835	5005	4500	1754	3937	4500	1148	3186	4500	n/a	2633	4500
5700	3048	5358	4500	2544	4895	4500	1574	3850	4500	1031	3116	4500	n/a	2575	4500
6000	2751	5245	4500	2296	4792	4500	1421	3769	4500	n/a	3050	4500	n/a	2521	4500
6300	2495	5139	4500	2083	4695	4500	1289	3693	4500	n/a	2988	4500	n/a	2470	4500
6600	2262	5039	4500	1832	4604	4500	1174	3622	4500	n/a	2930	4500	n/a	2422	4500
6900	1893	4945	4500	1603	4518	4500	1039	3554	4500	n/a	2875	4500	n/a	2377	4500
7200	1597	4856	4500	1411	4437	4500	n/a	3490	4500	n/a	2824	4500	n/a	2334	4500
7500	1356	4772	4500	1248	4359	4500	n/a	3429	4500	n/a	2775	4500	n/a	2293	4500
7800	1159	4691	4500	1110	4286	4500	n/a	3371	4500	n/a	2728	4500	n/a	2255	4500
8100	n/a	4615	4500	n/a	4216	4500	n/a	3317	4500	n/a	2684	4500	n/a	2218	4500
8400	n/a	4542	4500	n/a	4150	4500	n/a	3264	4500	n/a	2641	4500	n/a	2183	4500
8700	n/a	4473	4500	n/a	4087	4500	n/a	3215	4500	n/a	2601	4500	n/a	2150	4500
9000	n/a	4407	4500	n/a	4026	4500	n/a	3167	4500	n/a	2562	4500	n/a	2118	4500
Screws Req'd	8			8			12			12			20		

Roof Sheet – Continuous Span with Overhang Rafters – Supported by Fascia Beam

NOTES:

- Span tables are to be read in conjunction with Colorbeam design notes, Technical specifications and Working with Colorbeam.
- All dimensions on tables are in millimetres.
- These tables may also be used for applications that are at 90 degrees to the above design, providing the length is not greater than twice 'W'. In this method the roof sheet runs parallel to the attached structure.
- Values that are not listed in these tables can be interpolated between the given values.
- For roof sheet spans check with manufacturer's specifications.
- Each bracket connection must have the number of screws as nominated at bottom of tables for specific wind categories. Refer to technical specifications.

**Drawing Legend**

<i>W:</i>	<i>Awning frame width or rafter span</i>
<i>X:</i>	<i>Maximum post spacing or fascia beam span</i>
<i>R:</i>	<i>Maximum rafter spacing or purlin span</i>
<i>P:</i>	<i>Maximum purlin spacing</i>
<i>RO:</i>	<i>Roof Sheet Overhang. Span tables allow for a maximum 600mm overhang.</i>

CB 200-20 Colorbeam

W	MAXIMUM ALLOWABLE SPAN (mm)														
	N1 (W28)			N2 (W33)			N3 (W41)			N4 (W50)			N5 (W60)		
	R	X	P	R	X	P	R	X	P	R	X	P	R	X	P
1500	9000	9000	1698	9000	9000	1698	9000	8689	1215	9000	7330	817	9000	6059	n/a
1800	9000	9000	1698	9000	9000	1698	9000	8389	1215	9000	6954	817	9000	5748	n/a
2100	9000	9000	1698	9000	9000	1698	9000	8127	1215	9000	6630	817	9000	5480	n/a
2400	9000	8869	1698	9000	8869	1698	9000	7846	1215	9000	6348	817	8603	5247	649
2700	9000	8694	1698	9000	8694	1698	9000	7538	1215	9000	6099	817	6798	5041	1072
3000	9000	8534	1698	9000	8534	1698	9000	7264	1215	8060	5877	1117	5506	4858	1635
3300	9000	8388	1698	9000	8388	1698	9000	7018	1215	6661	5678	1635	4551	4693	2393
3600	9000	8254	1698	9000	8254	1698	8550	6795	1417	5597	5498	2315	3824	4544	3389
3900	9000	8130	1698	8732	8124	1916	7285	6592	2088	4769	5334	3189	3258	4408	4500
4200	9000	8014	1698	8108	7970	2564	6281	6406	2808	4112	5183	4290	2809	4284	4500
4500	9000	7907	1698	7568	7828	3127	5472	6235	3701	3582	5045	4500	2447	4170	4500
4800	8500	7806	2134	7095	7695	3558	4809	6077	4500	3148	4917	4500	2151	4064	4500
5100	8000	7711	2720	6678	7540	4016	4260	5931	4500	2789	4799	4500	1905	3966	4500
5400	7358	7622	3801	6141	7367	4500	3800	5795	4500	2488	4688	4500	1699	3875	4500
5700	6603	7538	4500	5512	7205	4500	3410	5667	4500	2233	4585	4500	n/a	3790	4500
6000	5960	7458	4500	4974	7053	4500	3078	5548	4500	2015	4489	4500	n/a	3710	4500
6300	5406	7383	4500	4512	6910	4500	2792	5436	4500	1828	4398	4500	n/a	3635	4500
6600	4925	7310	4500	4111	6776	4500	2544	5330	4500	1665	4313	4500	n/a	3565	4500
6900	4506	7242	4500	3761	6650	4500	2327	5231	4500	n/a	4232	4500	n/a	3498	4500
7200	4139	7147	4500	3454	6530	4500	2137	5136	4500	n/a	4156	4500	n/a	3435	4500
7500	3520	7023	4500	3184	6416	4500	1970	5047	4500	n/a	4084	4500	n/a	3375	4500
7800	3009	6905	4500	2881	6308	4500	1821	4962	4500	n/a	4015	4500	n/a	3318	4500
8100	2588	6793	4500	2572	6206	4500	1666	4881	4500	n/a	3950	4500	n/a	3265	4500
8400	2237	6686	4500	2237	6108	4500	n/a	4805	4500	n/a	3887	4500	n/a	3213	4500
8700	1944	6584	4500	1944	6015	4500	n/a	4731	4500	n/a	3828	4500	n/a	3164	4500
9000	1698	6486	4500	1698	5926	4500	n/a	4661	4500	n/a	3771	4500	n/a	3117	4500
Screws Req'd	8			8			12			12			20		

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