ABSCO AWNING
MODEL: AWN3030N2

3.00mW x 3.00mD x 3.00mH

AU: 1800 029 701
N Z: 0800 466 444

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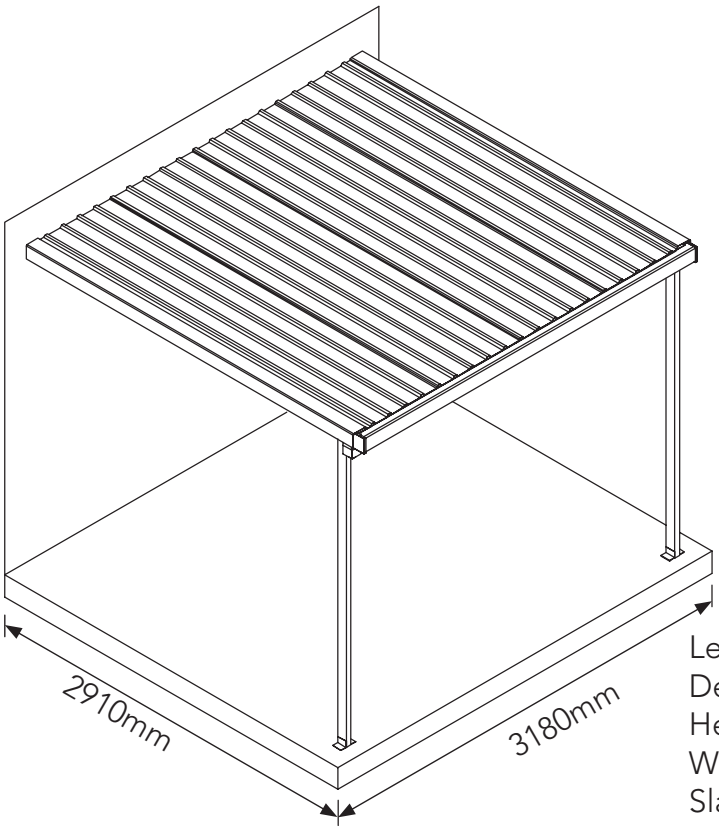

Length: 3.0m
Depth 3.0m
Height: Variable to 3.0m
Wind Rating: N2
Slab Size: 3180 x 2910mm

Building approval:
Local authority approval must be obtained prior to construction. Once you have selected your site, draw a site plan and lodge your application together with a copy of the engineering plans located at the back of these instructions.

Assembly:
The frame is constructed from 80mm x 40mm galvanized steel channel, similar to that used in domestic steel house framing. All sections are cut to exact lengths, with channel ends pre-punched where necessary to simplify assembly. If classic cream color channel is supplied, remove the protective plastic coating after assembly.
Channel sections are secured together using 10G x 16mm self drilling tek screws. (Supplied). Roof sheets are secured to the frame using 10G x 16mm self drilling tek screws with neoprene washers (supplied). Barge capping is secured together using 3mm pop rivets (supplied).

Construction:
The patio frame can be connected to brick or blockwork, using dynabolts or coach screws to suit, (not supplied) through the rear beam of the frame. If fixing the frame to existing steel/timber fascia, the fascia to house connection points may require additional strengthening to support the patio frame. Refer to the attached engineered drawings ABS-AWN-01, ABS-AWN-02 & ABS-AWN-05 for further details.
If you are attaching the patio frame to materials or structures other than those noted above, you should seek independent engineering advice on how to do so.

Concrete slab or footings
The frame must be secured to a concrete slab or footings, details of which are noted on the attached engineered drawings. Brackets and dynabolts for securing the frame to either a concrete slab or footings are included in this kit.

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3.00mW x 3.00mD x 3.00mH

COMPONENT PACKING LIST

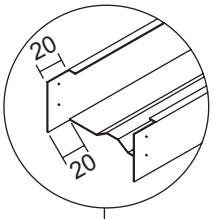
Check off all components.

FRAME PACK							
QTY	**COMPONENT DESCRIPTION**	**PART No.**	**CHK**	**QTY**	**COMPONENT DESCRIPTION**	**PART No.**	**CHK**
3	**C** FRAME SECTION L = 2980mm	C2980		2	**C** FRAME SECTION L = 100mm	C0100	
1	**C** FRAME SECTION L = 2770mm	C2770		2	**C** FRAME SECTION L = 2850mm	C2850	
4	**K** FRAME SECTION L = 1470mm	K1470		1	**K** FRAME SECTION L = 2810mm	K2810	
2	**M** FRAME SECTION L = 2834mm	M2834		4	**P** FRAME SECTION L = 650mm	P0650	
2	**J** FRAME SECTION L = 2870mm	J2870		2	**C** FRAME SECTION L = 2750mm	C2750	
1	**C** FRAME SECTION L = 160mm	C0160					

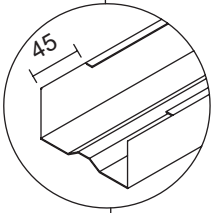
FRAME SECTION IDENTIFICATION GUIDE

The first letter of the part number is used to identify the notching type. EG. **K**2940, see below for reference list.
The following digits represent the overall length of the item.
EG. K**2940**
Part K2940 is a channel that is 2940mm long with a 20mm Tab notch at each end.

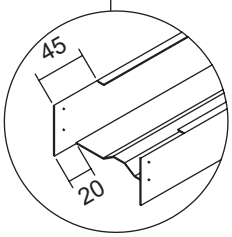
C Straight cut to both ends.
J 20mm Tab notch on one end only
K 20mm Tab notch on both ends
L 45mm Lip notch on one end only
M 45mm Lip notch on both ends
N 20mm Tab notch + 45mm Lip notch
P 20mm Tab notch + 45mm Lip notch on both ends
R One end: 20mm Tab notch + 45mm Lip notch
S SPECIAL NOTCHING, not noted above.



20mm Tab notch



45mm Lip notch



20mm Tab notch + 45mm Lip notch

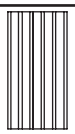
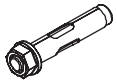
ABSCO AWNING
MODEL: AWN3030N2

3.00mW x 3.00mD x 3.00mH

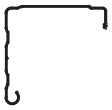
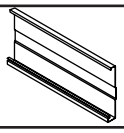
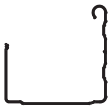
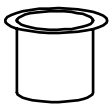
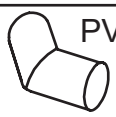
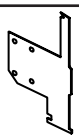
COMPONENT PACKING LIST

Check off all components.

SHEET AND ACCESSORIES

QTY	COMPONENT DESCRIPTION	PART No.	CHK	QTY	COMPONENT DESCRIPTION	PART No.	CHK
4	 STEEL SHEET 2930 x 773mm	293		1	 10G x 16mm WAFER HD TEK SCREWS PACK QTY 300	FAST014 PACK17	
1	 NEOPRENE WASHER PACK QTY 135	FAST043 PACK23		1	 PHILLIPS HEAD DRIVER BIT	FAST038	
1	 3mm POP RIVET PACK QTY 100	FAST009 PACK13		4	 M12 x 120 DYNABOLT	FAST097	
8	 MULTIPURPOSE BRACKET (MPB)	BKT17		1	INSTRUCTION MANUAL	IM	

GUTTER AND TRIM

QTY	COMPONENT DESCRIPTION	PART No.	CHK	QTY	COMPONENT DESCRIPTION	PART No.	CHK
2	 BARGE CAPPING L=2930mm	TR07		1	 FASCIA BOARD L=2970mm	TR03	
1	 GUTTER L=3030mm	TR22		2	 GUTTER STOP END	TR25	
1	 DOWNPIPE 50MM DIA. L = 2900mm	RWG15		1	 DOWN PIPE STRAP L= 450mm	TR29	
4	 GUTTER BRACKET	RWG06		1	 DOWNPIPE DROP	RWG17	
2	 FASCIA CONNECTION ANGLE	TR09		1	 PVC DOWNPIPE 45 DEGREE END	RWG01	
3	 FASCIA CONNECTION BRACKET	RWG05					

*Note: some lengths may be supplied slightly longer. Simply cut back to required length or notch and overlap ends where possible.

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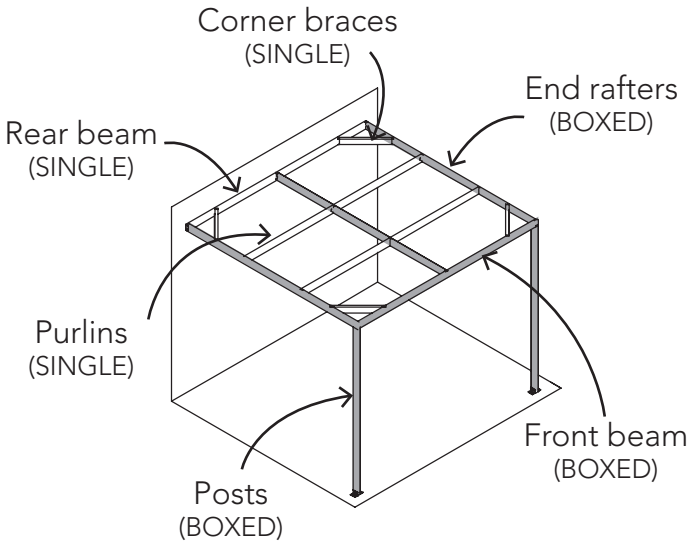
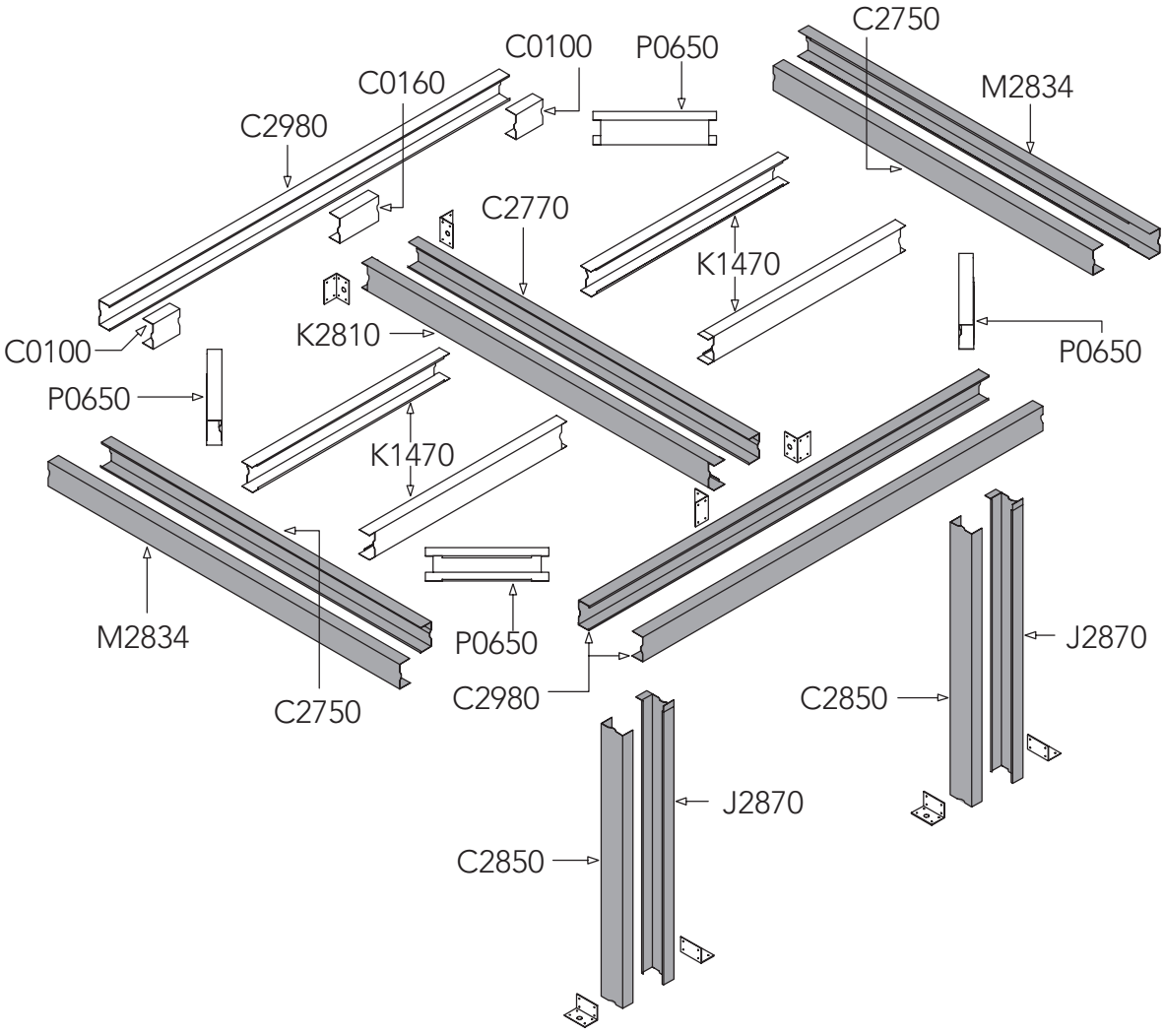
FRAMING OVERVIEW

Further details on following pages

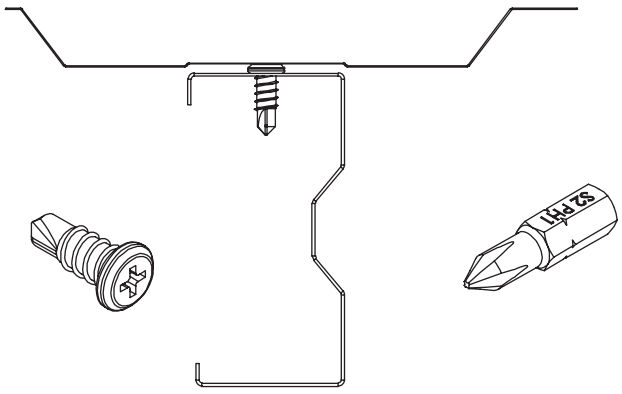
Join 12 pieces of framing to make 6 boxed framing members.
Shown as grey in illustrations.

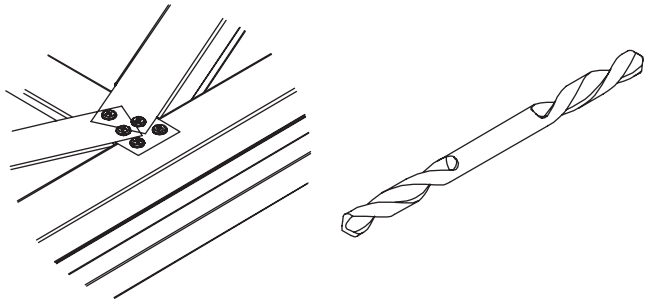




Guide for Connecting Frame Sections

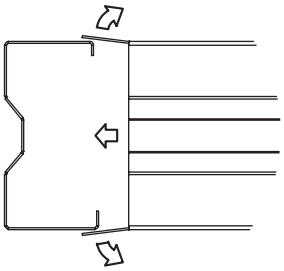
Absco sheds' frame assemblies are supplied with 10-16x16 self drilling wafer head phillips drive tek screws
The wafer head minimises distortion to the sheet cladding once it is fitted to the frame
Ensure that driver bits used to fasten these screws is phillips drive, as similar alternatives (EG. Pozi drive) increases the risk of stripping the head of these screws.





Some holes are pre-punched in Absco sheds' frame sections, however the wide range of positions that most fasteners are required for means that the remainder have to be drilled as per the connection being made
A 3mm drill bit is supplied for pre-drilling holes where self drilling screws may be more difficult to establish holes with (EG. Fitment of purlin brackets).

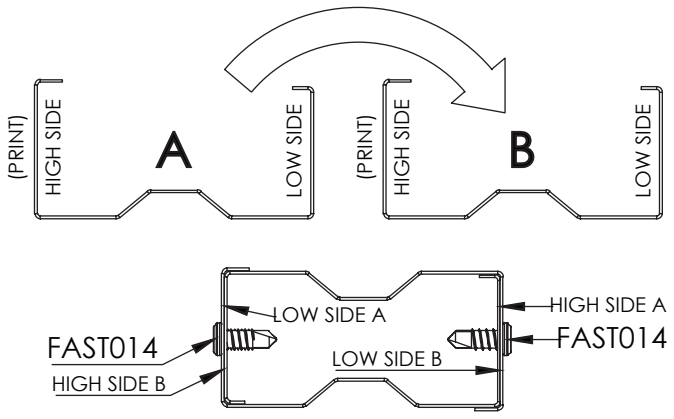
Absco sheds' frame sections are manufactured from light gauge steel, enabling for the notched ends or lengths of one frame section to be spread over the sides of another frame section, boxed frame section or H-section.



Some connections are designed to fasten more than two parts together. Connections may also not feature a defined alignment or physical stop.
For these reasons, focus on arranging all parts of a frame assembly or subassembly together (to the overall sizes and check measurements nominated) using minimal screws. This allows for easier adjustment to various connections which may be necessary to achieve the overall dimensions and check measurements that are nominated.
Fit the remaining screws once the frame assembly or subassembly is assembled as per the overall dimensions and check measurements that are nominated

Boxing Frame Sections

Absco sheds' frame sections are designed to nest into one another to create boxed frame sections
Boxed frame sections are only required in some parts of the entire frame assembly
Boxed frame sections are fastened together using the fast014 tek screws supplied at 300mm centres (unless otherwise stated) along the length of each boxed frame section.



ABSCO AWNING
MODEL: AWN3030N2
3.00mW x 3.00mD x 3.00mH

Before you commence:
Read these instructions carefully and fully so that an understanding of the steps involved in construction is obtained. Do this with constant reference to the engineering drawings provided.

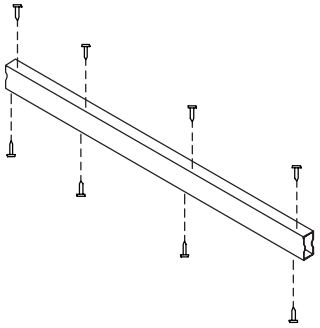
Measure and check off all the components prior to commencement. If a discrepancy is discovered, contact Absco immediately for assistance.

Caution:
Some items may have sharp edges and it is advisable to wear protective gloves when handling them. Care must also be taken to avoid eye injury when drilling holes. Please wear safety glasses.

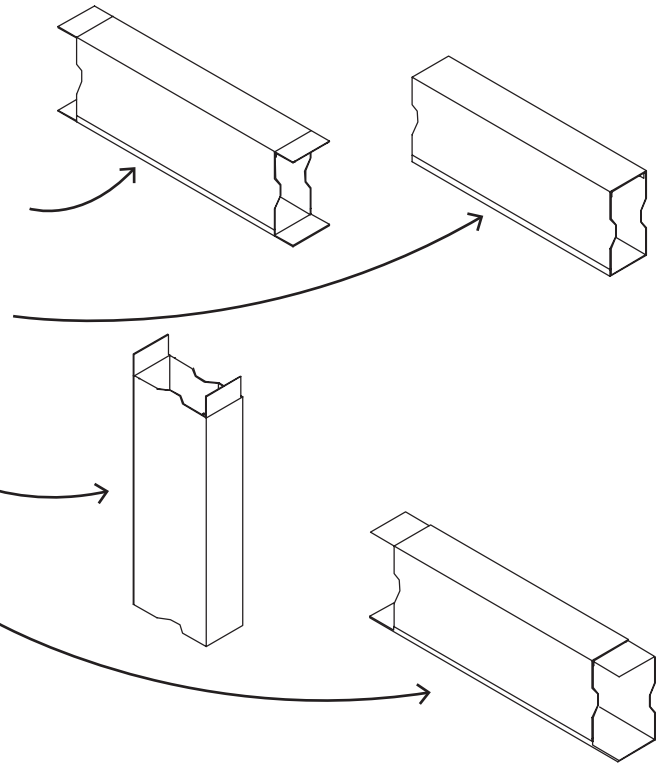
Tools required:
Tools required include electric or cordless drill, 12mm masonry drill bit, small shifting spanner, tape measure, string line, ladder, steel clamps.

STEP 1.
Prepare boxed channel sections

Use 16mm self drilling tek screws to form boxed sections.
A screwdriver bit is supplied. When installing screws, apply moderate pressure at a medium drill speed and avoid over-tightening.

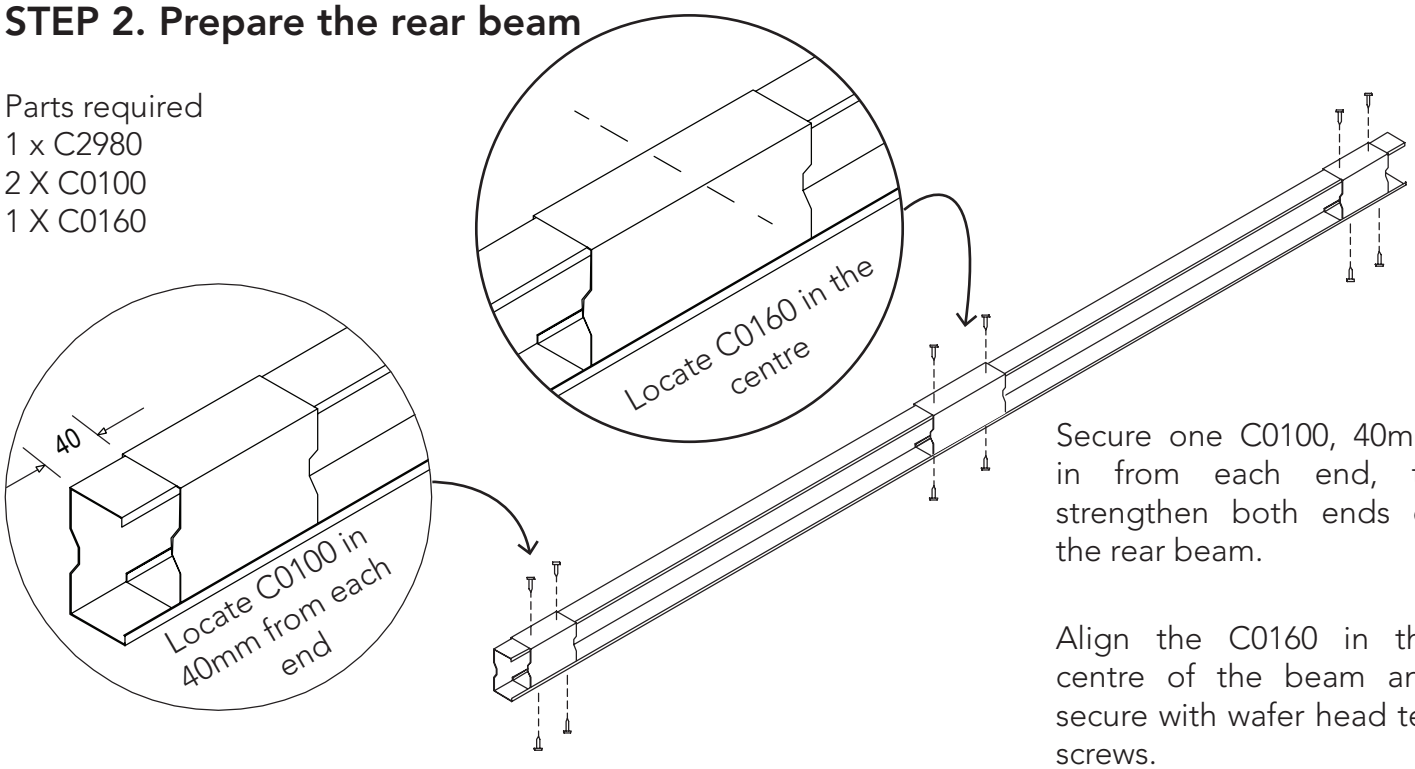


Join these	to make these
1x C2770 to 1x K2810	= 1x Boxed centre rafter
1x C2980 to 1x C2980	= 1x Boxed front beam
1x C2850 to 1x J2870 1x C2850 to 1x J2870	= 2x Boxed posts
1x M2834 to 1x C2750 1x M2834 to 1x C2750	= 2x Boxed end rafters



STEP 2. Prepare the rear beam

Parts required
1 x C2980
2 X C0100
1 X C0160



Secure one C0100, 40mm in from each end, to strengthen both ends of the rear beam.

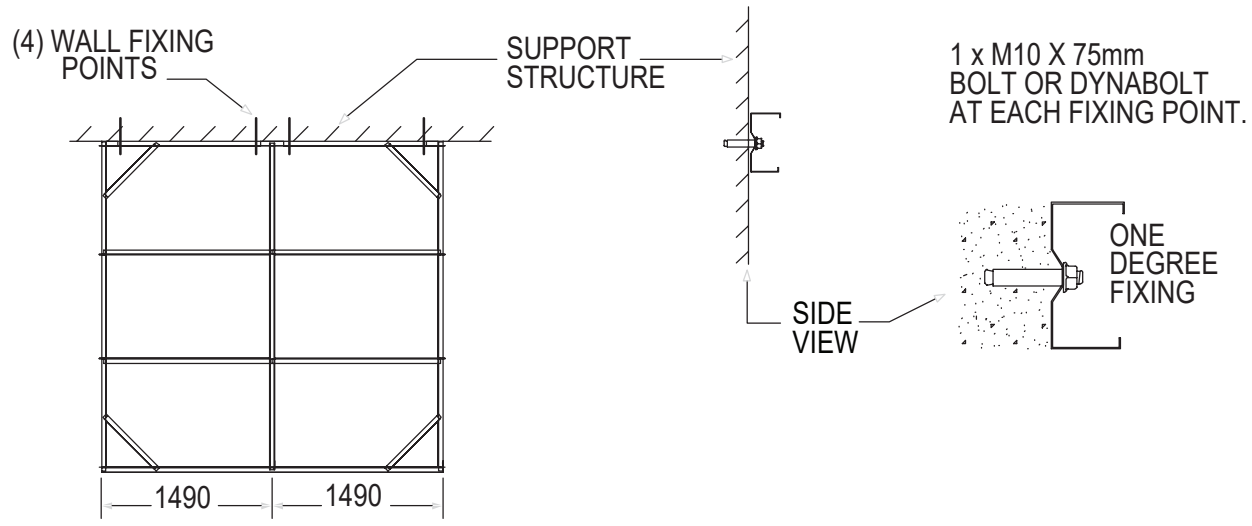
Align the C0160 in the centre of the beam and secure with wafer head tek screws.

The roof frame is to be fully assembled on the ground, then lifted into place. Therefore, all wall and slab fixing points should be pre-drilled in readiness for this procedure. Mark the ends of the rear beam left & right, to ensure it is positioned correctly when assembling the frame.

The recommended minimum roof slope is one degree. This this represents a fall from the rear to the front of the awning of 50mm.

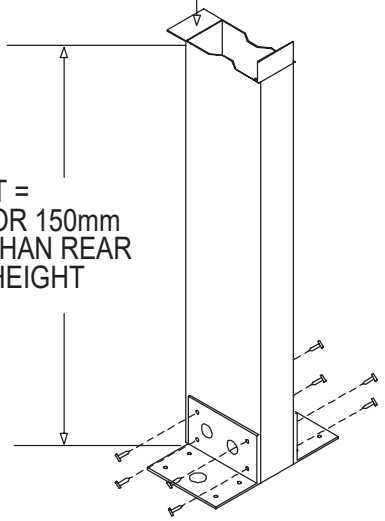
Drill 12mm holes in the rear beam as shown below. The holes should be about 150mm either side of each rafter. Position the rear beam to the desired wall height. Mark wall hole locations and drill 10mm holes to suit bolts/dynabolts.

When selecting the wall height, remember that the front of the awning will be 50mm lower than the rear wall height.



STEP 3. Prepare the posts

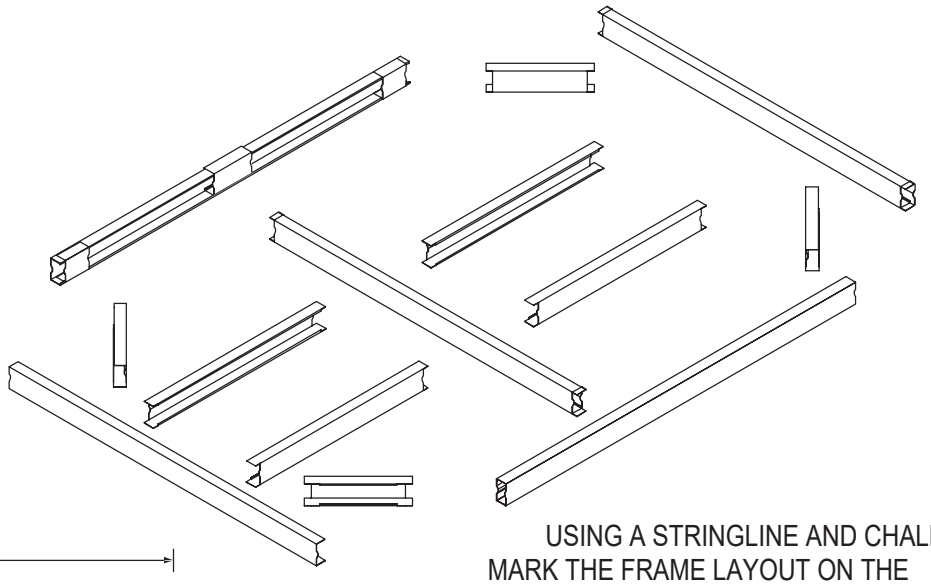
BEND DOWN ONE TAB FOR EACH POST WITH A PAIR OF PLIERS.

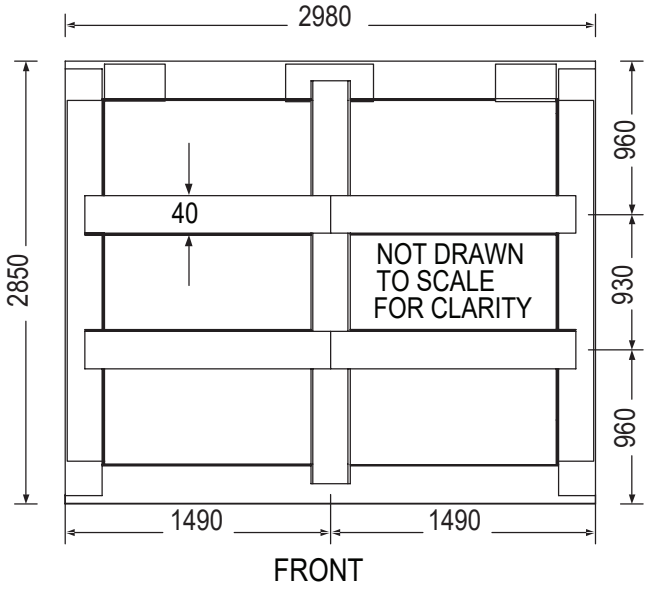


THE POST HEIGHT SHOULD BE THE SAME AS THE REAR WALL FRAME HEIGHT, LESS THE AMOUNT OF SLOPE SELECTED. THE REAR WALL HEIGHT MEASUREMENT SHOULD BE TAKEN FROM THE CONCRETE SLAB TO THE UNDERSIDE OF THE FRAME.

FIT TWO MULTI PURPOSE BRACKETS TO THE BOTTOM OF EACH POST, WITH FOUR TEK SCREWS PER BRACKET.

STEP 4. Frame layout and dimensions





USING A STRINGLINE AND CHALK, MARK THE FRAME LAYOUT ON THE CONCRETE SLAB TO THE DIMENSIONS SHOWN BELOW. THE CORNER TO CORNER DIAGONAL MEASUREMENT SHOULD BE 4123mm

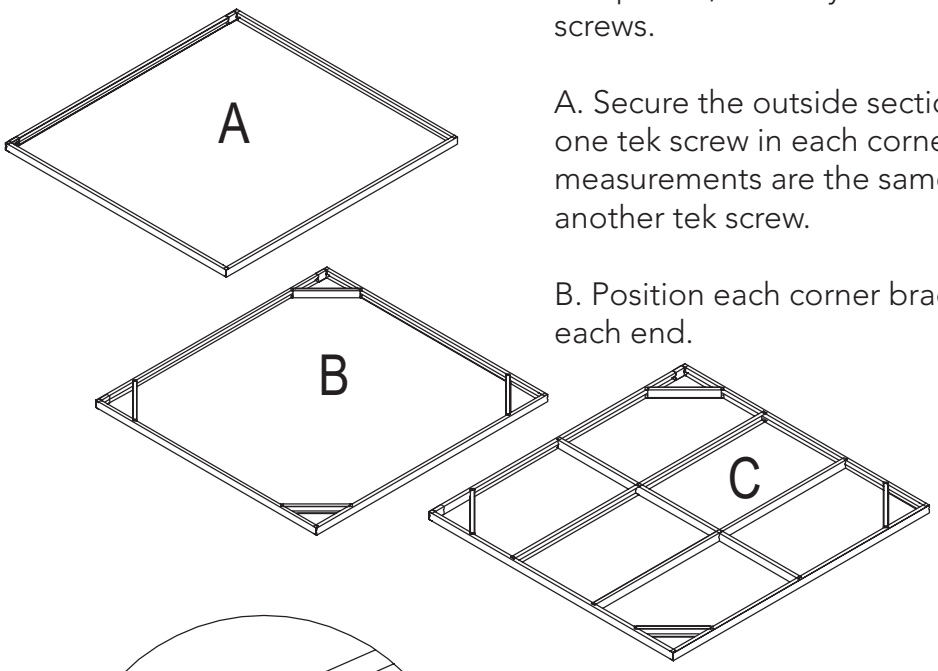
MOVE THE POSTS INTO THEIR POSITIONS ON THE LAYOUT, MARK AND DRILL TWO 10mm DYNABOLT HOLES PER POST IN THE CONCRETE.

STEP 5. Frame Assembly

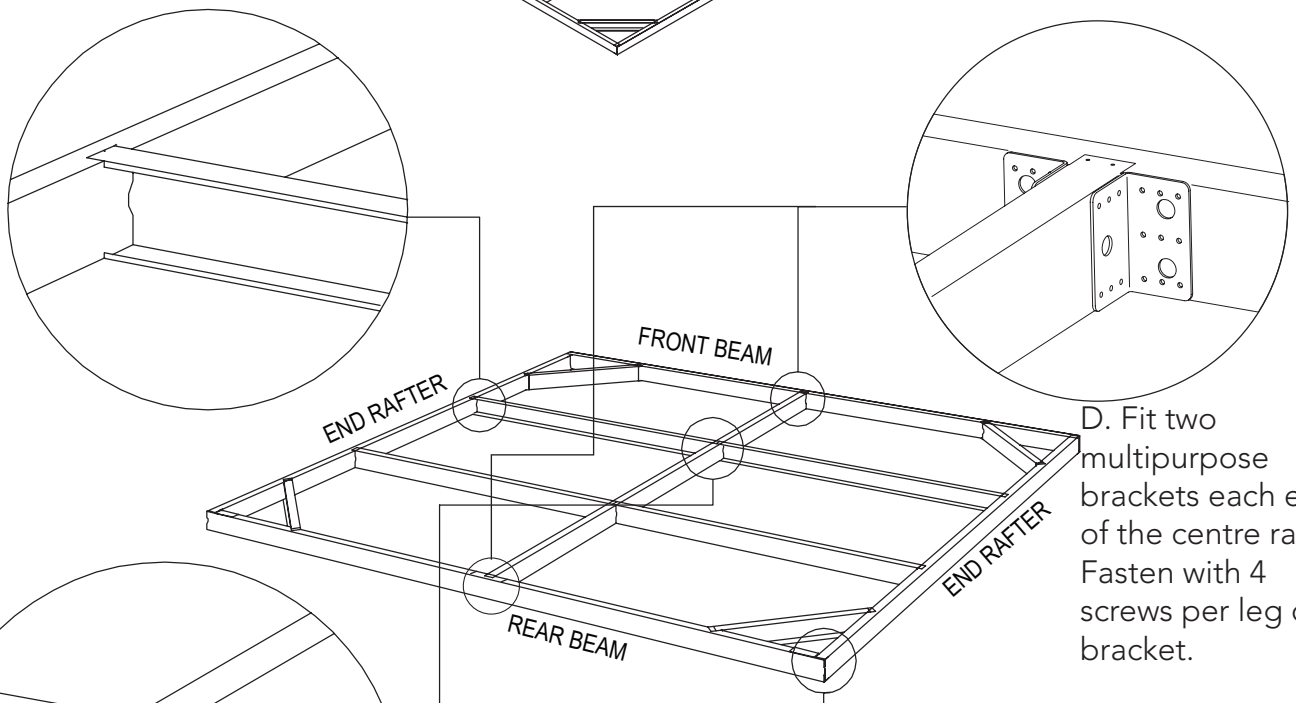
Every connection should be fixed with two tek screws. Once completed, carefully turn the frame over and fasten with tek screws.

A. Secure the outside sections of the frame first with one tek screw in each corner. Ensure that both diagonal measurements are the same, then fasten each corner with another tek screw.

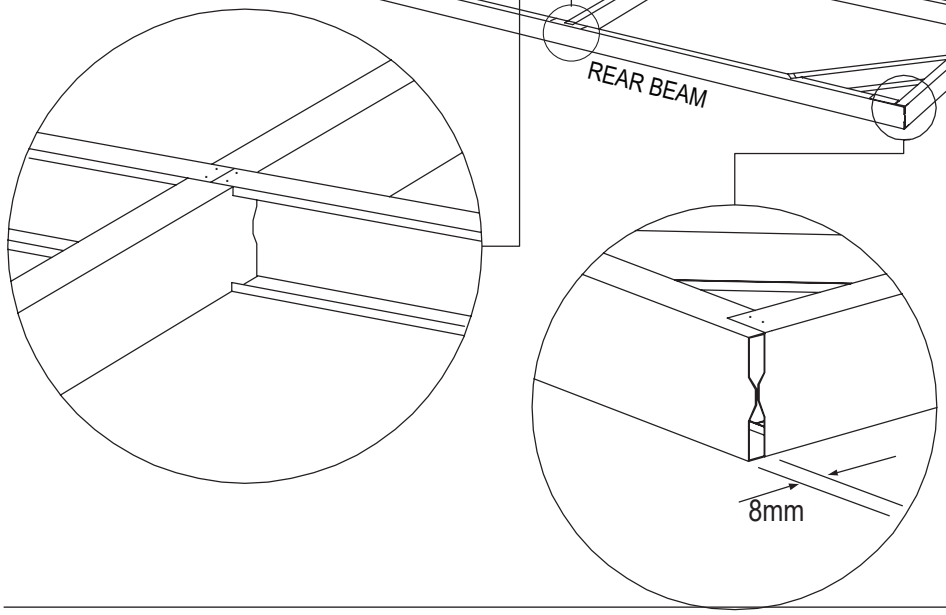
B. Position each corner brace, fasten with two tek screws at each end.



C. Move the remaining channel sections into position. Do not fasten any together until you are satisfied they are all in their proper position.



D. Fit two multipurpose brackets each end of the centre rafter. Fasten with 4 screws per leg of bracket.



The end rafters will finish 8mm short at each end to ensure a tight fit over the front and rear beams, and ensure that the width of the frame will finish at 2850mm.

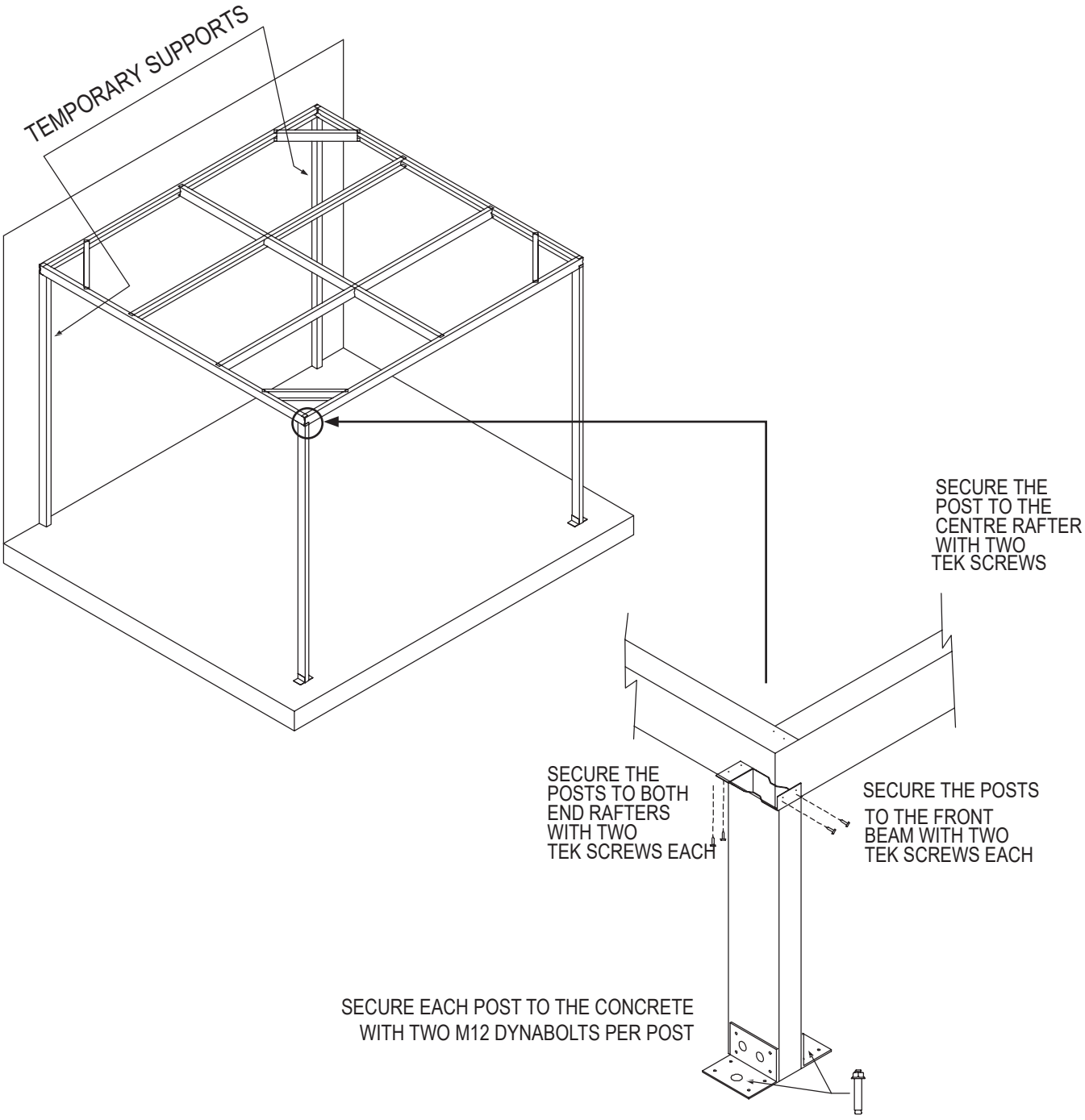
The ends of these rafters are not pre-punched.

STEP 6. Frame Installation

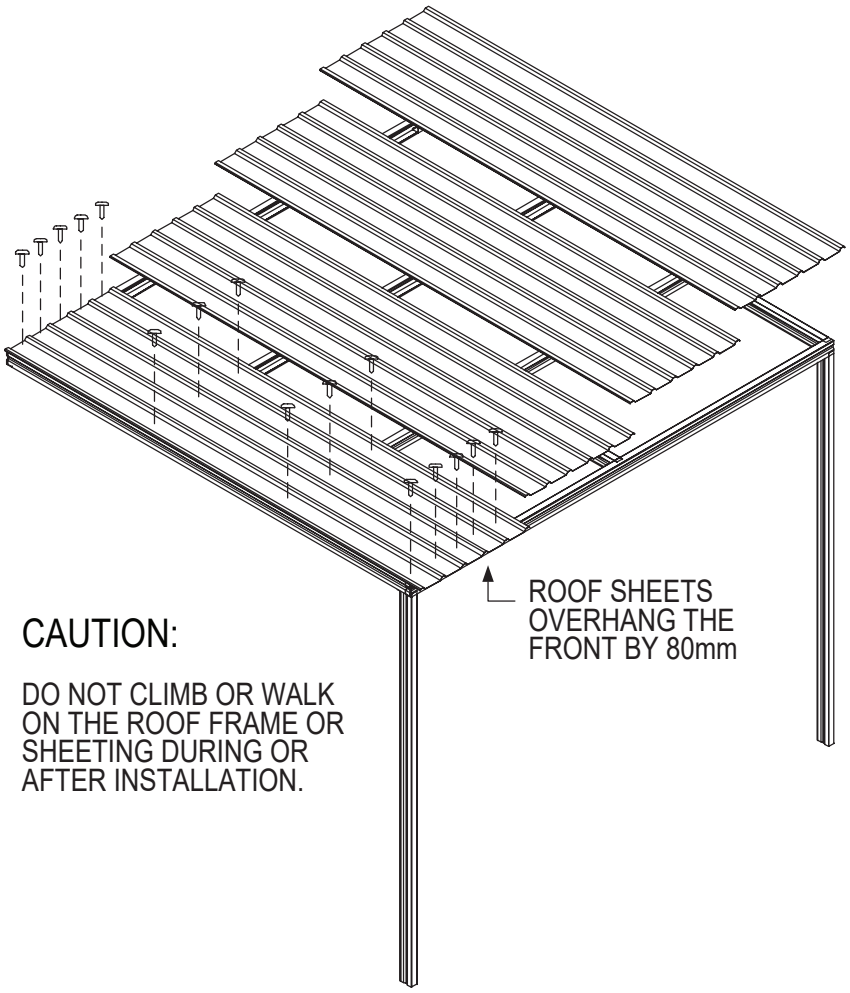
Move the posts to their correct positions and secure to the concrete with two dynabolts per post.

In preparation to move the roof frame into position, you may need the assistance of one or more persons. Alternatively, if you have any materials (timber, steel) that can be used as temporary rear supports to rest the frame on as shown below, it will make this procedure much easier.

Lift the frame into position, and clamp the frame to each post while the frame is secured to the previously drilled rear wall. Secure the frame to the posts as shown below.



STEP 7. Fit roof sheets

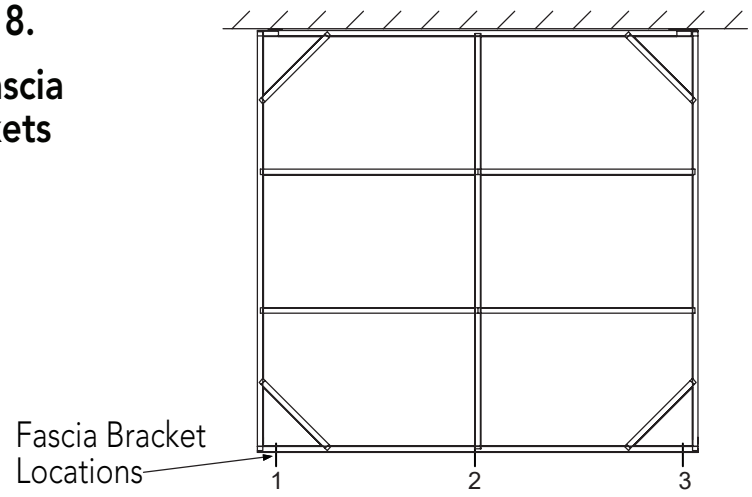


Roof sheet coverage:
4 Sheets = 2992mm overall coverage, 12mm longer than the roof frame. Rather than trimming this extra 12mm of sheeting, each sheet can be "squeezed" in width by 3mm to "soak up" the excess coverage. You can check your progress after fixing four sheets. The centre of the last rib of the fourth sheet should meet with the centre line of the roof frame.

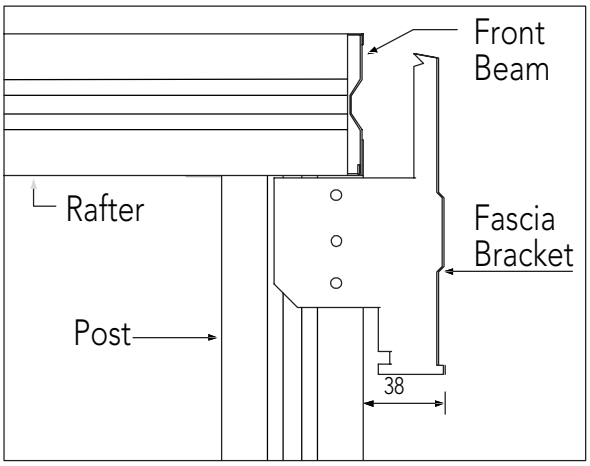
Installation procedure:
Roof sheets are fitted by working from a ladder underneath the awning, starting at one end, fixing one sheet at a time, working towards the other end.
Use one screw with neo washer at every pan to front and rear channels
Use one screw with neo washer at every second pan to intermediate channels

STEP 8.

Fit Fascia Brackets

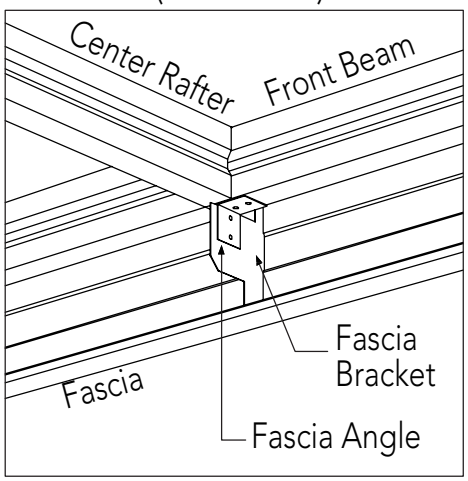


End view (Locations 1 & 3)



Fit one fascia bracket at locations 1 and 3 with three screws each as shown. Use a stringline for accuracy

Underneath view (Location 2)

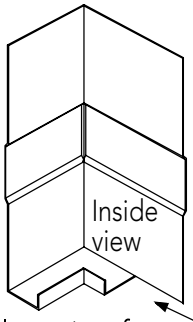


For accuracy, complete this step after the fascia is fitted in place. Fit one fascia bracket at location 2. Secure the fascia angle to the front beam and to the fascia bracket as shown with four screws.

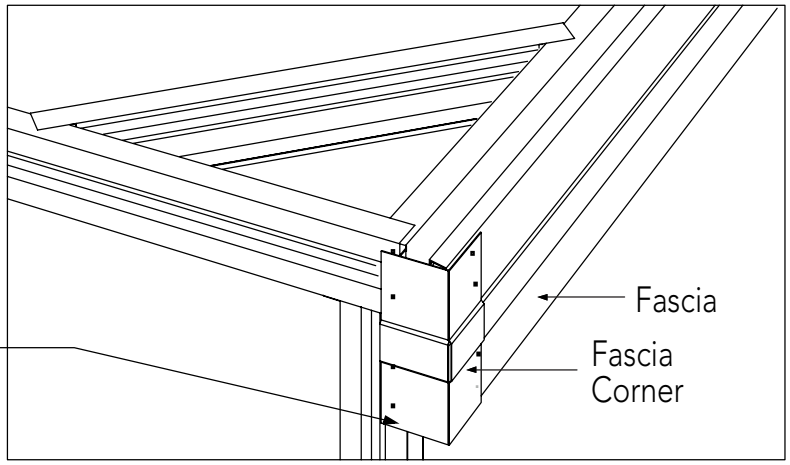
STEP 9.
Fit Fascia

Slide the fascia over one bracket, then slide back over the other bracket.

Fit both fascia external corners

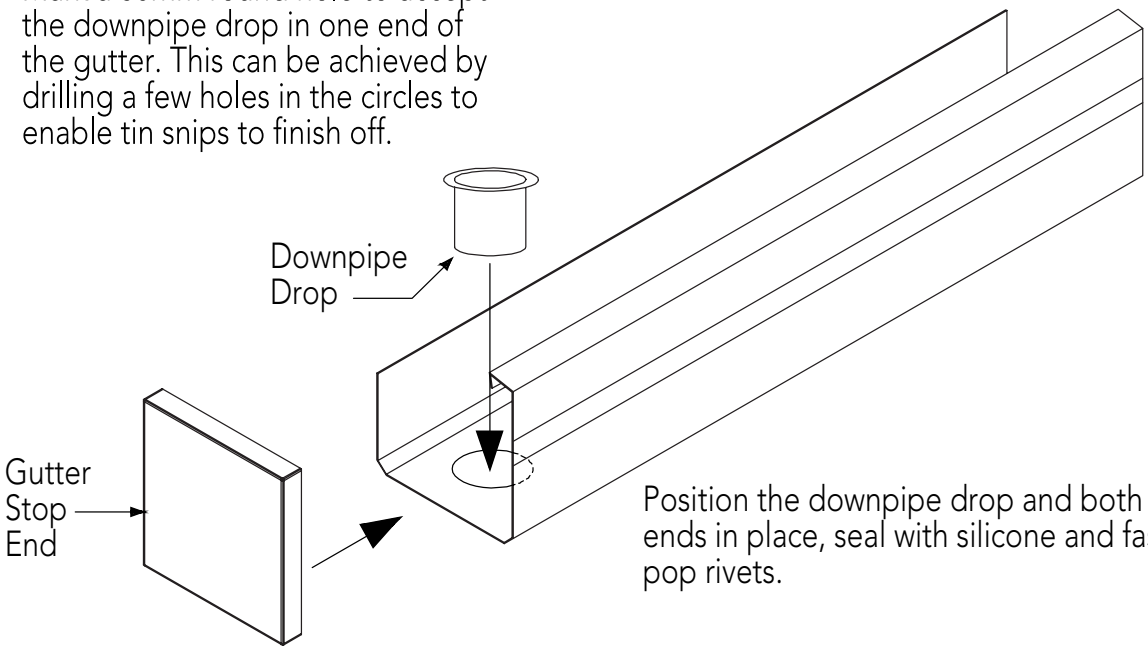


Cut out a small section from the bottom so the external fascia corner finishes flush with the end of the frame. Secure with pop rivets

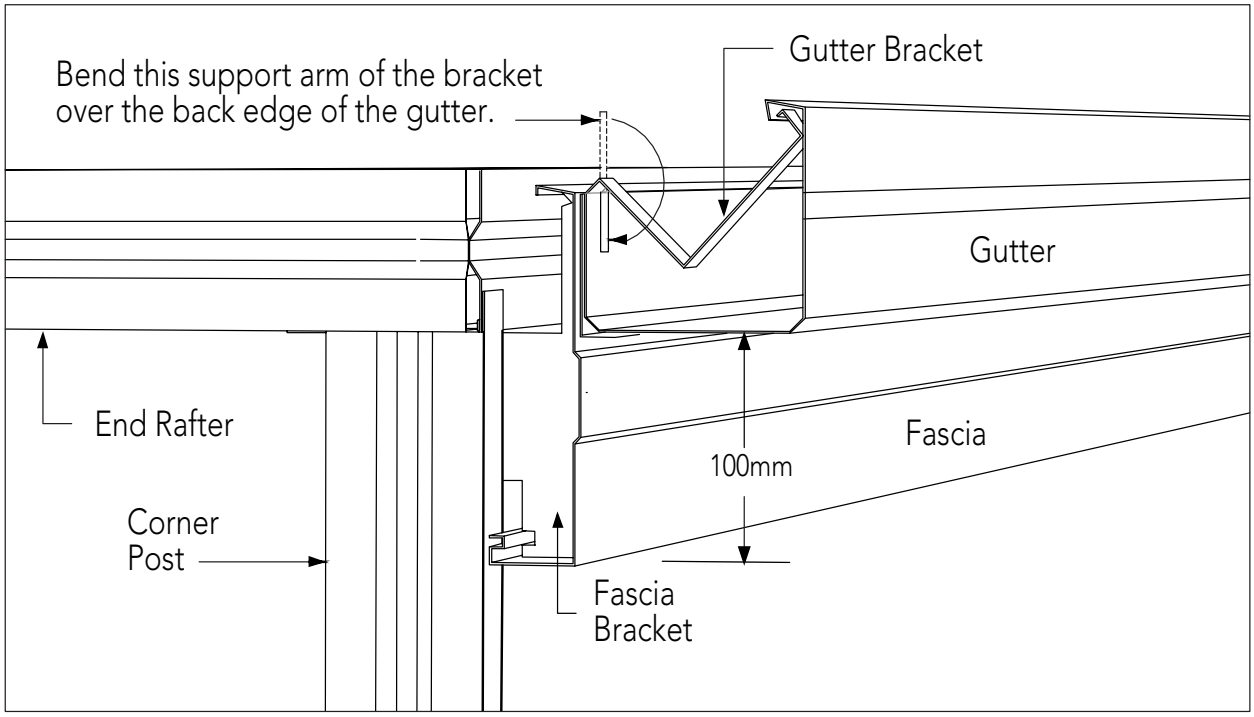


STEP 10. Fit Gutter and Downpipe

Mark a 50mm round hole to accept the downpipe drop in one end of the gutter. This can be achieved by drilling a few holes in the circles to enable tin snips to finish off.



Position the downpipe drop and both gutter stop ends in place, seal with silicone and fasten with pop rivets.



Mark a line 100mm up from the bottom of the fascia.This line represents the bottom of the gutter brackets. Allow a fall of 10mm towards the downpipe.

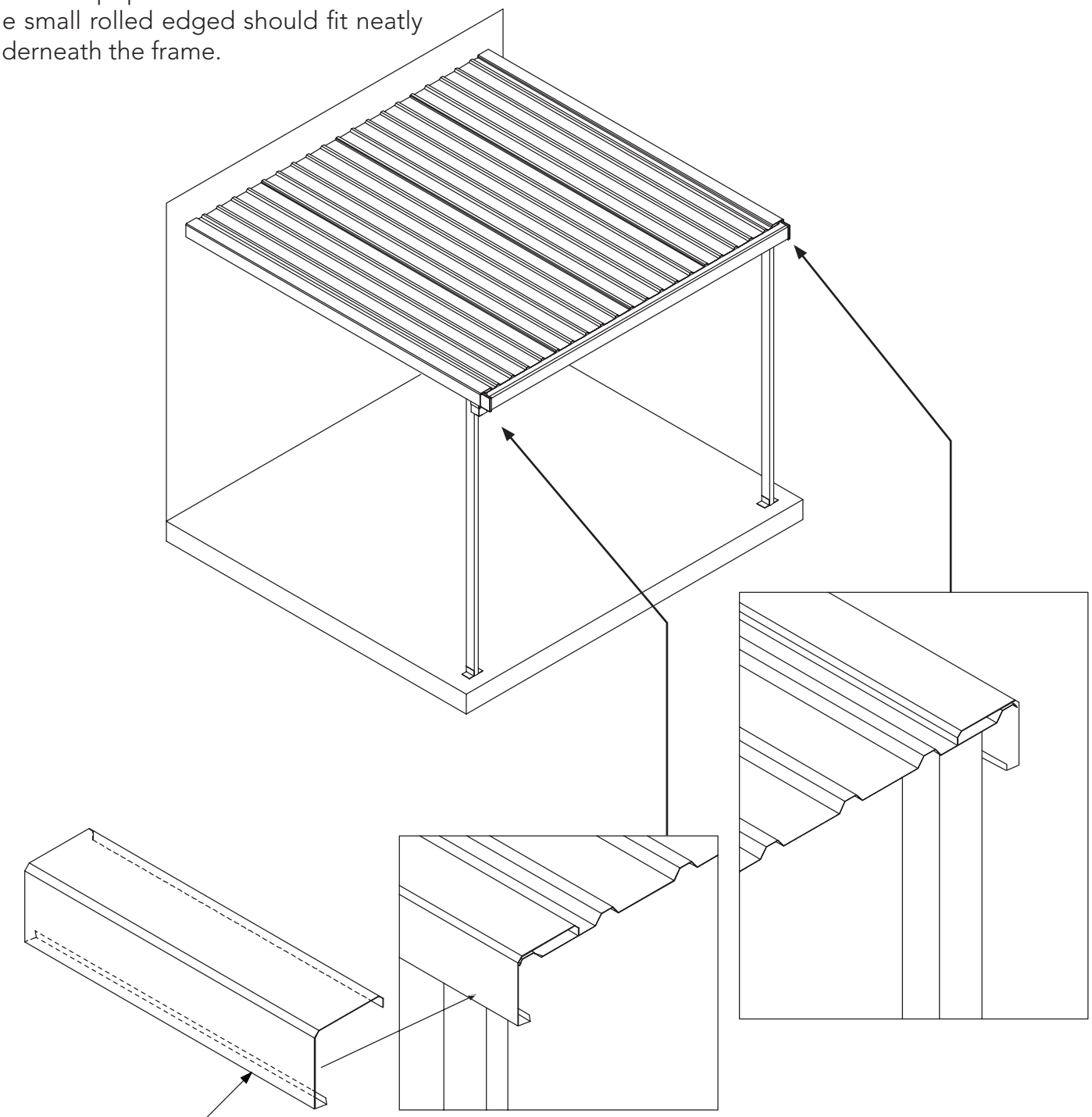
Fix gutter brackets to fascia at approximately 950mm centers with two rivets each.

Position gutter on to brackets. Push the top of each bracket into the outer roll of the gutter, and bend the small support arm over the back edge of the gutter. Secure the brackets to the gutter through the bottom of each bracket with one rivet each.

Fix the downpipe to the downpipe drop with rivets. Bend the downpipe strap to suit, and fix to the bottom of the downpipe with rivets. Fix the downpipe strap to each side of the post so the downpipe is parallel to the post. fix the 45 degree end to the bottom of the downpipe in the desired direction.

STEP 11. Fit barge capping

Fit the barge capping to each end of the frame with pop rivets.
The small rolled edged should fit neatly underneath the frame.



Cut away a small section of the rolled edge to enable the barge to fit hard up against the gutter stop end fascia corner and column.

Immediate maintenance:
Hose down surfaces to remove metal filings from drilling holes to prevent corrosion.
Remove protective plastic from colorbond components as soon as possible after installation.

Absco Sheds Storage Guidelines

- Absco Sheds are designed to be weatherproof for normal weather conditions. In the event of extreme weather conditions such as heavy rain, combined with high wind gusts, the ridge capping, sheeting joins, screw fixings etc., may exhibit minor deformations which may allow some water entry. These areas should be checked regularly to ensure that maximum strength and protection is maintained.
- Other weather conditions such as extreme heat and extreme cold, moist or dry air can influence the effects of concrete floor moisture and/or condensation on the underside of the roof sheets.
- Absco Sheds and storage units are primarily used for storage of garden equipment such as lawnmowers, wheelbarrows, garden tools etc. Storage items that might be adversely affected by any of the above conditions may require additional protection such as being sealed or covered by plastic sheets and/or stacked above the concrete floor on timber slats.
- Waterproof sealants may be used to offer further protection where required around joins and screw fixings, as can rubber door seals and other products which are available from most hardware outlets.
- Placement of waterproof sealants (silicone) between the base of the shed and concrete slab is not recommended, as this process can have a reverse effect, preventing excess water from escaping, resulting with water accumulating and being trapped inside the shed.
- Absco accepts no responsibility for water entry, floor moisture, condensation or the condition of the Contents inside your Absco steel building arising from any of the pre-mentioned weather conditions.

6-12 Activity St, Acacia Ridge QLD 4110
PO Box 119, Acacia Ridge QLD 4110

AU: 1800 029 701
N Z: 0800 466 444

admin@absco.com.au
www.abscosheds.com.au

Australia Product Warranty Against Defects

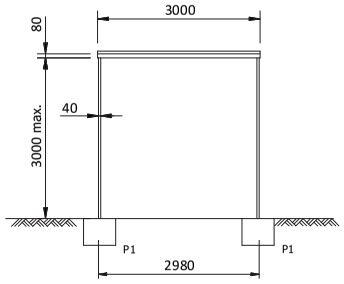
- Absco Sheds, including garden sheds, garden beds, aviaries, storage units, garages, awnings and carports are made using high quality Australian made steel.
- We are pleased to advise we warrant that the steel coating will not rust, crack, flake peel or blister for **20 years** from date of purchase, when installed within Australia.
- This warranty does not apply to surface deterioration of panels caused by 'Swarf" (Tiny particles of steel debris left from cutting, grinding or drilling operations) that has not been removed after building construction, or as a result of contact with damp soil, chemicals, fertilisers or other corrosive substances.
- This warranty covers any Absco product used for normal domestic use and installed in accordance with the installation instructions.
- The warranty does NOT cover Damage caused by storms, wind, rain snow or poor foundations.
- This warranty does NOT cover ABSCO products installed in severe coastal, industrial or other highly corrosive environments. The warranty does not cover fasteners (screws, nuts, bolts, rivets, hasps or sliding padbolts).
- The warranty is limited to replacement and delivery of components and does not include any labour or installation costs. The benefits given by the warranty are in addition to your other rights and remedies under a law in relation to the goods or services to which the warranty relates.
- The warranty applies to the exclusion of all other representations, guarantees or warranties express or implied, our goods come with guarantees that cannot be excluded under the Australian consumer law and is not transferable. You are entitled to a replacement or refund for a major failure and for compensation for any other foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of an acceptable quality and the failure does not amount to a major failure. For further information go to http://www.consumerlaw.gov.au
- Please retain a proof of purchase (sales docket or invoice) or register your warranty within 30 days of purchase here: http://abscosheds.com.au/warranty-details/
- In the unlikely event a warranty claim is made, it must be supported by photographic evidence and details of the defect, including component part numbers, together with proof of purchase documentation (or on-line registration of purchase) and forwarded to the address below. Upon receipt of the warranty claim, the Customer Service Manager will contact you within three business days to advise you of the assessment outcome of the claim, which may include your expenses incurred in making the claim.

THE CUSTOMER SERVICE MANAGER, ABSCO INDUSTRIES, PO BOX 119 ACACIA RIDGE QLD AUSTRALIA 4110

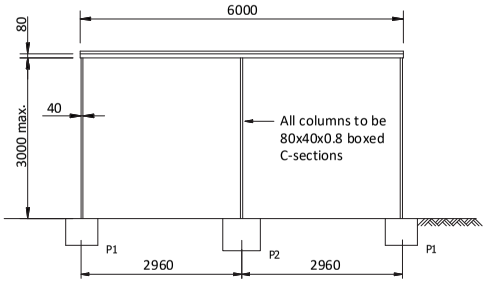
PHONE: 1800 029 701 **FAX**: 07 3344 1191 **EMAIL**: warranty@absco.com.au

Issued 01 January 2018

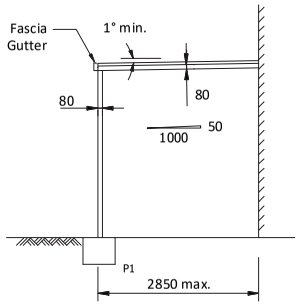
NOTE: ADDITIONAL BAYS MAY BE ADDED IN 2960 INCREMENTS, PROVIDED THAT THE DESIGN DETAILED BELOW IS ADHERED TO.



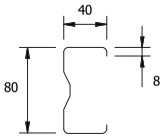
3 x 3m FRONT ELEVATION
SCALE 1:50



6 x 3m FRONT ELEVATION
SCALE 1:50



SIDE ELEVATION
SCALE 1:50



TYPICAL 80x40x0.8 C-SECTION
SCALE 1:2.5

TYPICAL BOXED C-SECTION
SCALE 1:2.5

APPLICABLE S.A.A. CODES & STANDARDS

- AS 1170 Parts 1 & 2 loading Codes.
- AS 4600 Cold Formed Steel Structures Code.
- AS 1562 Design and Installation of Sheet Roof & Wall Cladding.
- AS 1111/1112 Metric Hexagon Commercial Bolts & Screws.
- AS 2312 Guide to the Protection of Iron & Steel.
- AS 4100 Steel Structures Code.
- AS 2870 Residential Slabs & Footings.
- AS 3600 Concrete Structures.

NOTE: Min screw edge distance / spacing to AS4600:2021

NOTE: Masonry anchors to manufacturer's specification & AS3700:2018

NOTE: THIS DESIGN DOES NOT CERTIFY THE STRUCTURE TO WHICH THE AWNING IS FIXED TO. REFER TO DRAWING ABS-AWN-05 FOR A SUGGESTED METHOD OF FIXING TO HOUSE FACIAS.

LOADINGS LEVEL 2
L1 - These structures are classified as Class 10a of Importance Level 2, and have been designed for the following wind loads to AS1170.2 and the BCA -Volume 1: Refer 'Table A'.

L2 - The following structural pressure coefficients have been used
Cp,n (upward) -1.0
Cp,n (downward) +0.4

L3 - Roof live loads to A.S.1170 - Part 2:2021
Roof cover : nil.
Roof structure : nil.

CONCRETE & FOUNDATIONS
C1 - The foundations shall have a minimum allowable bearing capcity of 75 kPa.

C2- Concrete F'c = 20 MPa minimum.

C3 - Slab to be poured on 50mm compacted sand bed andwaterproof membrane.

STEELWORK
S1 - All 80x40 channel sections shall be Grade G550, AZ150 material with Base Metal Thickness (B.M.T) = 0.80mm u.n.o.

S2 - Provide suitable corrosion protection to all ungalvanized components. e.g. zinc rich paint.

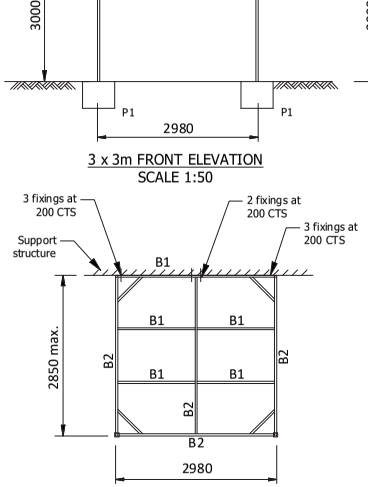
FIXINGS
F1 - All screws to be N°.10 Wafer Teks with minimum edge distance of 10mm and pitch of 15mm u.n.o.

F2 - Roof sheeting fixing to purlins and roof frame
(a) At eaves - 1 screw at every pan (i.e. 144 crs.)
(b) Elsewhere - 1 screw every second pan (i.e. 288crs.)
Screws to roof sheeting to have neoprene washers.

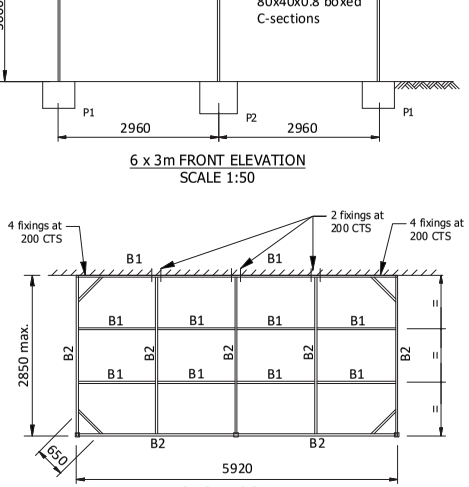
F3 - Framing members shall be connected with 4 screws per flange u.n.o.

F4 - All boxed members are to be screws through flanges at 200 max. crs.

F5 - All angles to be galvanised.

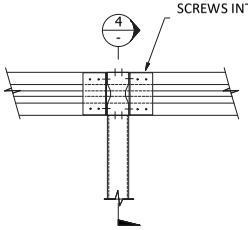


3 x 3m ROOF PLAN
SCALE 1:50
- ONE-SIDE CLOSED

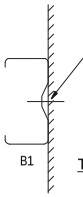


6 x 3m ROOF PLAN
SCALE 1:50
- ONE-SIDE CLOSED

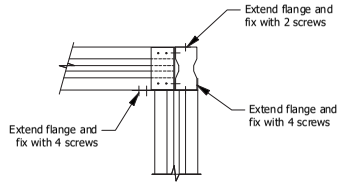
B1 - 80 x 40 x 0.8 C-SECTION
B2 - 80 x 40 x 0.8 BOXED C-SECTION



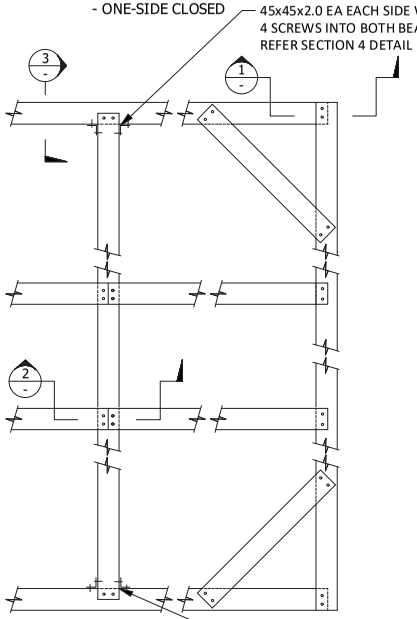
COLUMN / BEAM CONNECTION
SCALE 1:5



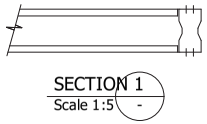
TYPICAL FIXING TO SUPPORT
SCALE 1:2.5



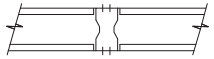
SECTION 4
Scale 1:5 -



ROOF PLAN DETAIL
SCALE 1:5

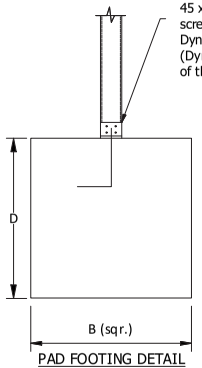


SECTION 1
Scale 1:5 -



SECTION 2
Scale 1:5 -

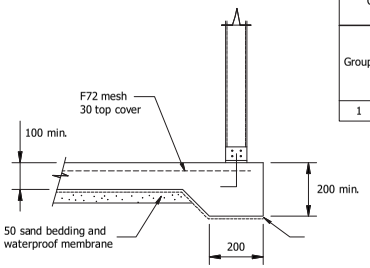
SECTION 3
Scale 1:5 -



PAD FOOTING DETAIL
NOT TO SCALE

PAD FOOTING	B	D
P1	450	450
P2	450	900

NOTE: Slab on ground may be used in lieu of pad footings, refer detail

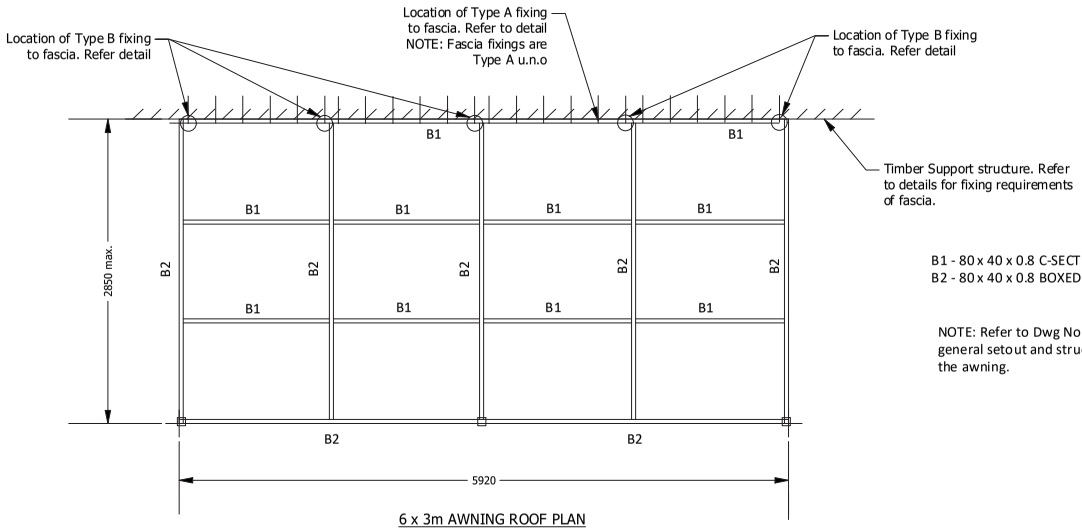


ALTERNATIVE SLAB DETAIL
SCALE 1:10

TABLE A					
AS1170.2:2021 CLASSIFICATION			EQUIVALENT AS4055 CLASSIFICATION		EQUIVALENT AS1170:89 PERMISSIBLE STESS CLASSIFICATION (SUPERSEDED)
Group	Ultimate Design Wind Pressure (Pu)	Ultimate Design Wind Speed (Vsit,B)	Non-Cyclonic regions A + B	Cyclonic regions C + D	(m/s)
1	1.0 kPa	41 m/s	N2	-	W33N

DRAWN	SJC	ABS-AWN-01	3x3m & 6x3m AWNINGS
CHECKED		STRUCTURAL DETAILS	N2 WIND CLASS
TECH APPROVED		SIZE A3 · SCALE AS SHOWN · REV 0 · SHEET 1 OF 1	

ABSCO SHEDS
So Tough. Too Easy.



6 x 3m AWNING ROOF PLAN
SCALE 1:25

B1 - 80 x 40 x 0.8 C-SECTION
B2 - 80 x 40 x 0.8 BOXED C-SECTION

NOTE: Refer to Dwg No. ABS-AWN-01 for general setout and structural details of the awning.

NOTES

1 - Existing roof rafters or truss overhangs that provide support of the Awning shall be 120x45 FB, JD4 or better.

Rafter size, fixings & existing support structure to be checked and certified by a suitably qualified person as being suit able for providing adequate support to the awning structure.

2 - When fixing screws into end grain of timber provide pilot holes 80% of the screw shank diameter and locate screws 15mm from timber sides & 30mm from top & bottom.

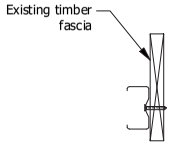
3 - The existing roof trusses or rafters which support the attached awning shall be anchored to the top PL using 1/30x0.8 GI looped strap in (1 wind group ~~and 2/30x0.8 GI looped straps in (2 wind group (or equivalent anchorage)~~.

The top plate shall be anchored to the floor slab or subfloor with M12 rods at centres not exceeding 1200mm.

The above anchorages are based on a maximum truss/rafter span of 8000mm and a maximum truss/rafter spacing of 1200mm.
The corresponding maximum uplift force for the truss/rafter connection to the top plate is 13kN and 20kN for (1 ~~and (2 groups respectively~~.

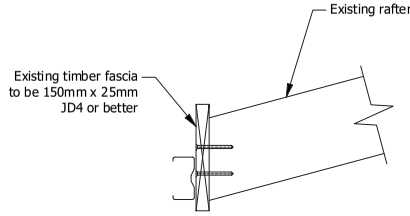
The certifier may assess the tiedown in accordance with section 9 of AS1684 to meet these requirements.

Refer to Dwg No ABS-AWN-03 for specific tiedown details.

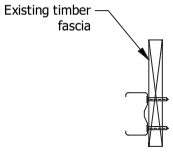


NOTE:
Fix awning wall plate to timber fascia (or to end grain of rafters with metal fascias) with 1-50mm No.14 Type 17 Hex head screw. 250mm CTS max.

WALL PLATE/FASCIA FIXING
TYPE A
SCALE 1:5



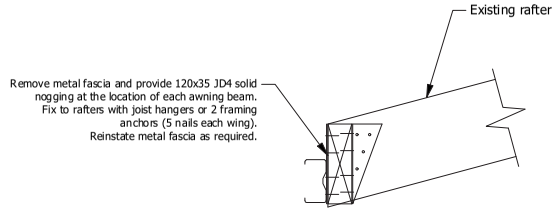
TIMBER FASCIA FIXING
SCALE 1:5



NOTE:
Fix awning wall plate to timber fascia (or to solid nogging behind metal fascias) with 2-50mm No. 14 Type 17 Hex head screws. 500 mm CTS max.

WALL PLATE/FASCIA FIXING
TYPE B
SCALE 1:5

NOTE: Screw fix exisitng timber fascia to existing roof rafters of truss overhangs with 1-75mm No. 14 Type 17 Batten screw # provide 1 extra screw each side of awning rafters - typical ~~(provide 2 extra screws each side of awning rafters for C2 locations)~~



METAL FASCIA FIXING
FOR WALL PLATE TYPE B FIXINGS ONLY
SCALE 1:5

DRAWN SJC	ABSCO SHEDS So Tough. Too Easy.	ABS-AWN-02	3x3m & 6x3m AWNINGS
CHECKED		FASCIA FIXING DETAILS	N2 WIND CLASS
TECH APPROVED		SIZE A3 / SCALE AS SHOWN / REV 0 / SHEET 1 OF 2	

NOTES

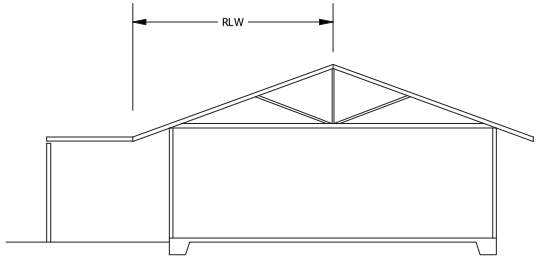
1 - Rafters and trusses shall be anchored to the top plate or directly to slab or subfloor as per the attached details to meet the design uplift force nominated in table 1.

2 - It is not possible to cover all the possible suitable tiedown methods and combinations.

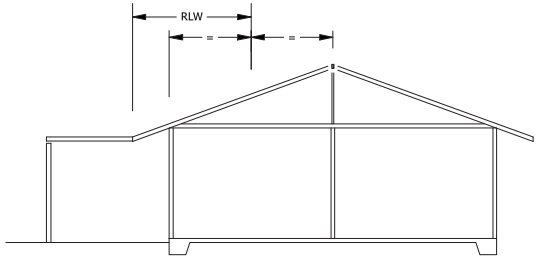
Where any doubt exists as to the suitability of the existing or proposed tiedown the certifier shall refer specifically to Section 9 of AS1684.2:2021 Tables 9.19, Table 9.21 & Table 9.22 to assess the adequacy of the tiedowns to meet the uplift forces in TABLE 1.

TABLE 1

ROOF LOAD WIDTH (RLW)	RAFTER / TRUSS SPACING	UPLIFT FORCE (kN) N2 WIND CLASS	
		TILE ROOF	SHEET ROOF
1500	900	3.2	3.8
	1200	3.6	4.3
3000	900	4.5	5.5
	1200	5.3	6.7
4500	900	5.7	7.3
	1200	7.0	9.1



TRUSSED ROOF



ROOF WITH RAFTERS

ROOF LOAD WIDTH (RLW)
NOT TO SCALE

DRAWN	SJC	12/10/2022	ABSCO SHEDS So Tough. Too Easy.	ABS-AWN-05		3x3m & 6x3m AWNINGS		
CHECKED				REQUIRED TIEDOWN OF EXISTING RAFTERS/TRUSSES		N2 WIND CLASS		
TECH APPROVED			This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization from ABSCO INDUSTRIES	SIZE	A3	SCALE	AS SHOWN	REV 0	SHEET 1 OF 2