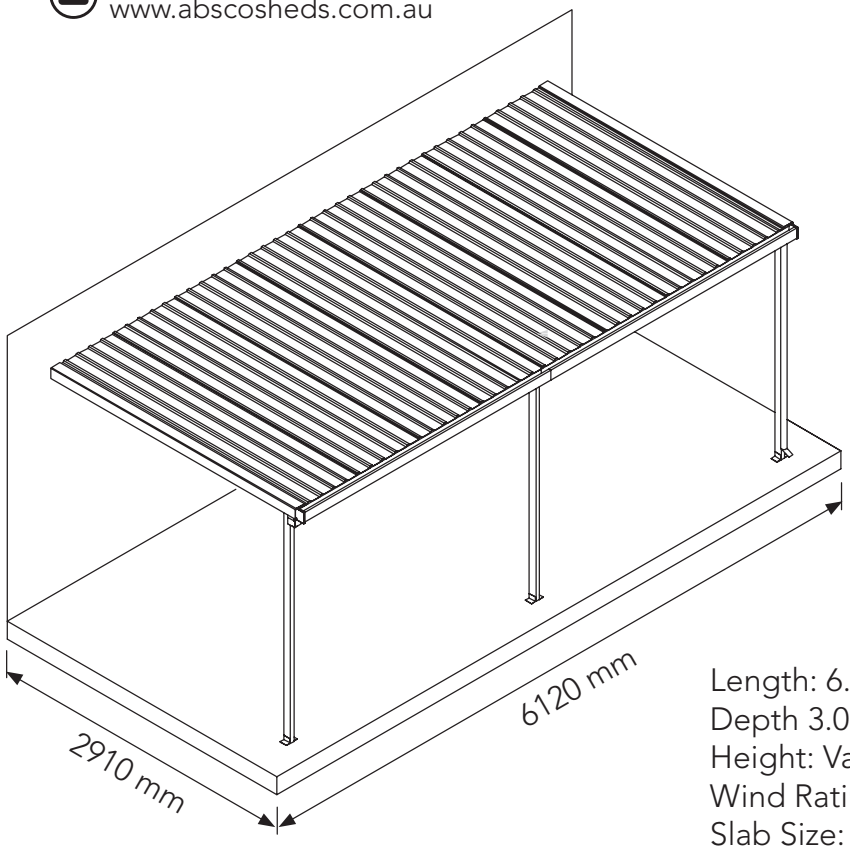
ABSCO AWNING
MODEL: AWN6030N2

6.00mW x 3.00mD x 3.00mH

AU: 1800 029 701
NZ: 0800 466 444

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



Length: 6.0 m
Depth 3.0 m
Height: Variable to 3.0 m
Wind Rating: N2
Slab Size: 6120 x 2910 mm

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 80 mm x 40 mm 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 16 mm self drilling tek screws. (Supplied). Roof sheets are secured to the frame using 10G x 16 mm self drilling tek screws with neoprene washers (supplied). Barge capping is secured together using 3 mm 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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COMPONENT PACKING LIST

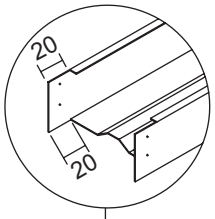
Check off all components.

FRAME PACK							
QTY	COMPONENT DESCRIPTION	PART No.	CHK	QTY	COMPONENT DESCRIPTION	PART No.	CHK
6	**C** FRAME SECTION L = 2960 mm	**C2960**		2	**C** FRAME SECTION L = 100 mm	**C0100**	
3	**C** FRAME SECTION L = 200 mm	**C0200**		2	**M** FRAME SECTION L = 2834 mm	**M2834**	
8	**K** FRAME SECTION L = 1470 mm	**K1470**		4	**P** FRAME SECTION L = 650 mm	**P0650**	
3	**C** FRAME SECTION L = 2850 mm	**C2850**		3	**J** FRAME SECTION L = 2870 mm	**J2870**	
3	**C** FRAME SECTION L = 2770 mm	**C2770**		3	**K** FRAME SECTION L = 2810 mm	**K2810**	
2	**C** FRAME SECTION L = 2750 mm	**C2750**					

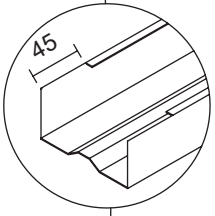
FRAME SECTION IDENTIFICATION GUIDE

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 2940 mm long with a 20 mm Tab notch at each end.

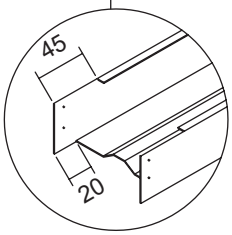
C Straight cut to both ends.
J 20 mm Tab notch on one end only
K 20 mm Tab notch on both ends
L 45 mm Lip notch on one end only
M 45 mm Lip notch on both ends
N 20 mm Tab notch + 45 mm Lip notch
P 20 mm Tab notch + 45 mm Lip notch on both ends
R One end: 20 mm Tab notch + 45 mm Lip notch
S SPECIAL NOTCHING,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



20 mm Tab notch



45 mm Lip notch



20 mm Tab notch + 45 mm Lip notch

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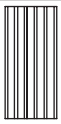
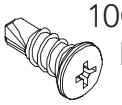
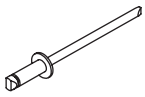
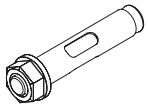
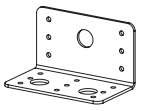
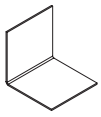
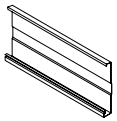
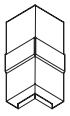
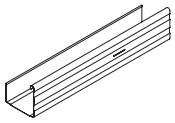
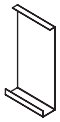
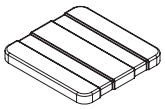
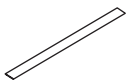
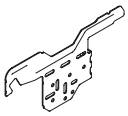
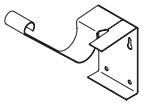
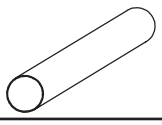
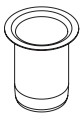
COMPONENT PACKING LIST

Check off all components.

QTY	COMPONENT DESCRIPTION	PART No.	CHK	QTY	COMPONENT DESCRIPTION	PART No.	CHK
SHEET & ACCESORRIES							
8	 STEEL SHEET 2930 X 773 mm	**293**		1	 10G x 16 mm WAFER HEAD TEK SCREW 300 x **FAST014**	**PACK WAFER 300**	
1	NEOPRENE WASHER 150 X **FAST043**	**PACK 23**		1	PHILLIPS HD DRIVER BIT	**FAST 038**	
2	 BLIND POP RIVET 50 x **FAST009**	**PACK 12**		6	 DYNABOLT 12 x 120 mm	**FAST 122**	
18	 MULTIPURPOSE BRACKET	**BKT17**		2	 40 x 40 mm FASCIA CONNECTION ANGLES	**ZACO 128**	
GUTTER & TRIM							
2	 FASCIA BOARD L = 2970 mm	**TR03**		2	BARGE CAPPING L = 2930 mm	**TR07**	
2	 FASCIA CONNECTION ANGLE	**TR09**		2	 GUTTER L = 3030 mm	**TR22**	
1	 FASCIA SPLICE (JOINER) PLATE	**TR24**		2	 GUTTER STOP END	**TR25**	
1	 DOWN PIPE STRAP L = 450 mm	**TR29**		1	PVC DOWNPIPE 45 DEGREE END	**RWG01**	
6	 FASCIA CONNECTION BRACKET	**RWG05**		8	 GUTTER BRACKET	**RWG06**	
1	 DOWNPIPE 50 mm DIA. L = 2900 mm	**RWG15**		1	 DOWNPIPE DROP	**RWG17**	

*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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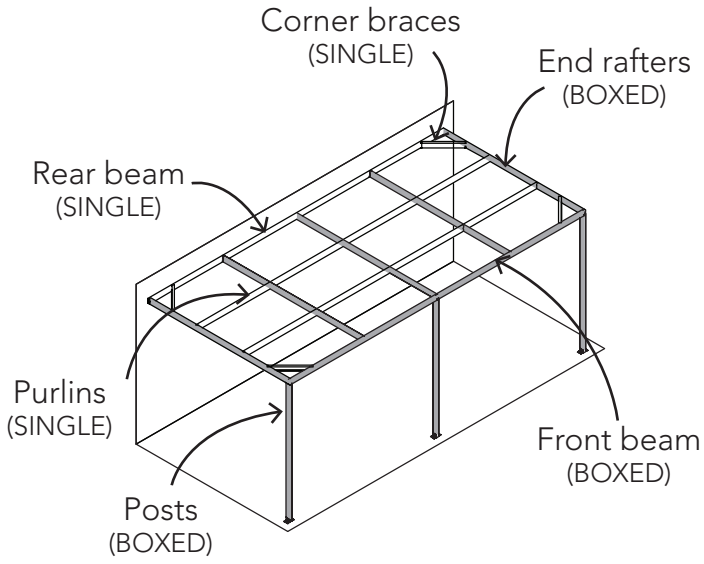
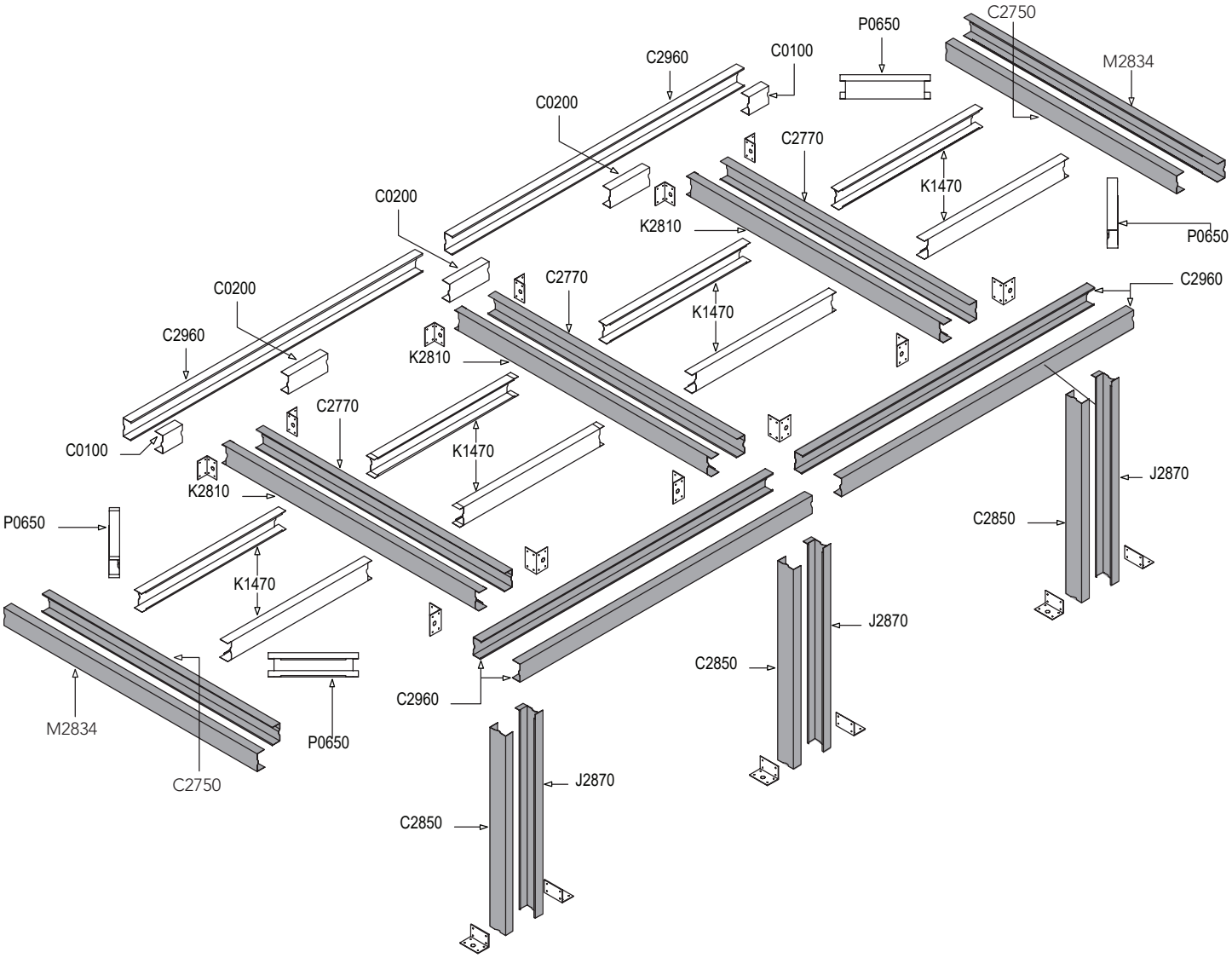
FRAMING OVERVIEW

Further details on following pages

Join 20 single pieces of framing to make 10 boxed framing members.
Shown as grey in illustrations.





ABSCO AWNING
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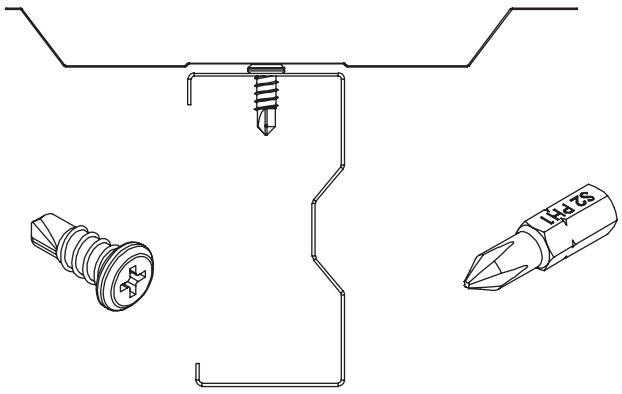
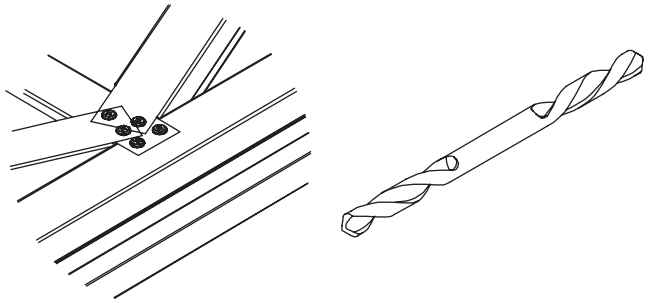
6.00mW x 3.00mD x 3.00mH

Guide for Connecting Frame Sections

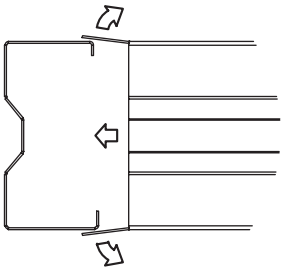
Absco sheds' frame assemblies are supplied with 10G-16 x16 mm self drilling wafer head phillips drive tek screws
The wafer head minimises distortion to the sheet cladding once it is fitted to the frame
Ensure that driver bits used to fasten these screws are Phillips drive, as similar alternatives (EG. 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 3 mm 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).

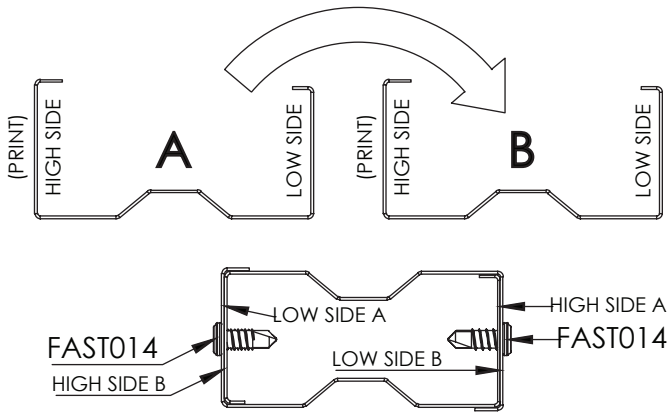
Absco sheds' frame sections are manufactured from light gauge steel, enabling for the notched ends or lengths of one frame section to be spread over the sides of another frame section, boxed frame section or H-section.



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 300 mm centres (unless otherwise stated) along the length of each boxed frame section.



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6.00mW 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.

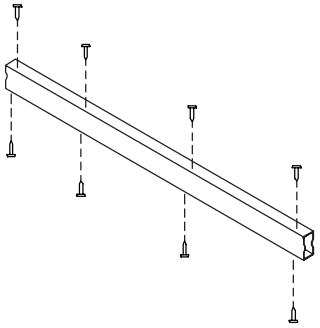
Measure and check off all the components prior to commencement. If a discrepancy is discovered, contact Absco immediately for assistance.

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.

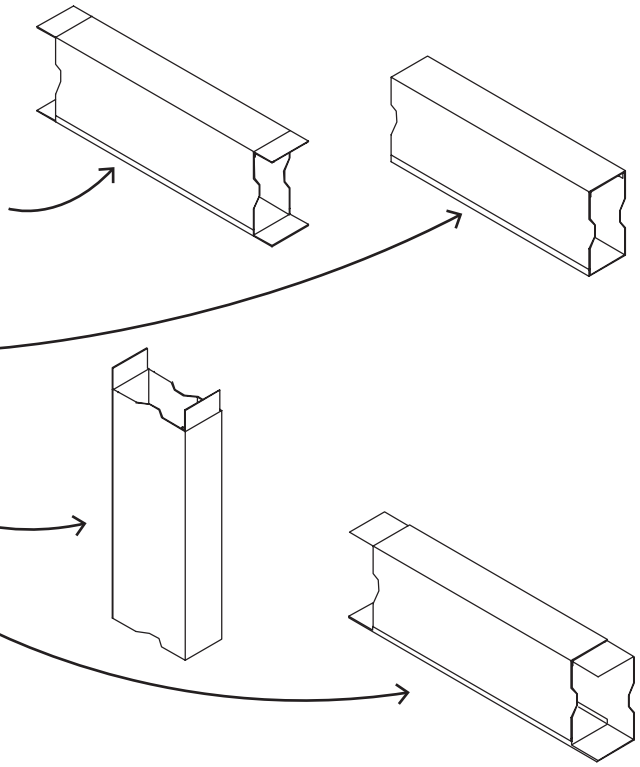
Tools required:
Tools required include electric or cordless drill, 12 mm masonry drill bit, small shifting spanner, tape measure, string line, ladder, steel clamps.

STEP 1.
Prepare boxed channel sections

Use 16 mm 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.



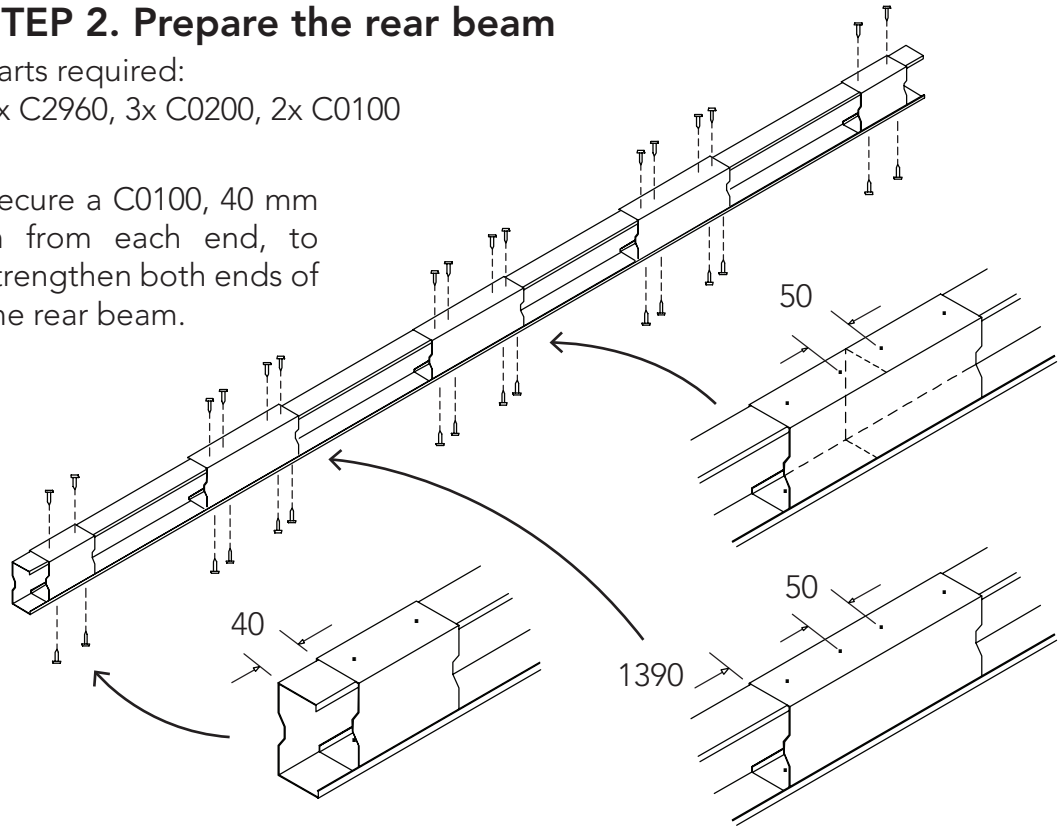
Join these	to make these
1x C2770 to 1x K2810 1x C2770 to 1x K2810 1x C2770 to 1x K2810	= 3x Boxed centre rafters
1x C2960 to 1x C2960 1x C2960 to 1x C2960	= 2x Boxed front beams
1x C2850 to 1x J2870 1x C2850 to 1x J2870 1x C2850 to 1x J2870	= 3x Boxed posts
1x M2834 to 1x C2750 1x M2834 to 1x C2750	= 2x Boxed end rafters



STEP 2. Prepare the rear beam

Parts required:
2x C2960, 3x C0200, 2x C0100

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



Join two C2960 channels together with one C0200 to make the rear beam, 5920 mm long as shown.

Keep the screws 50 mm apart so as not to foul with the centre rafter connection when fitted later.

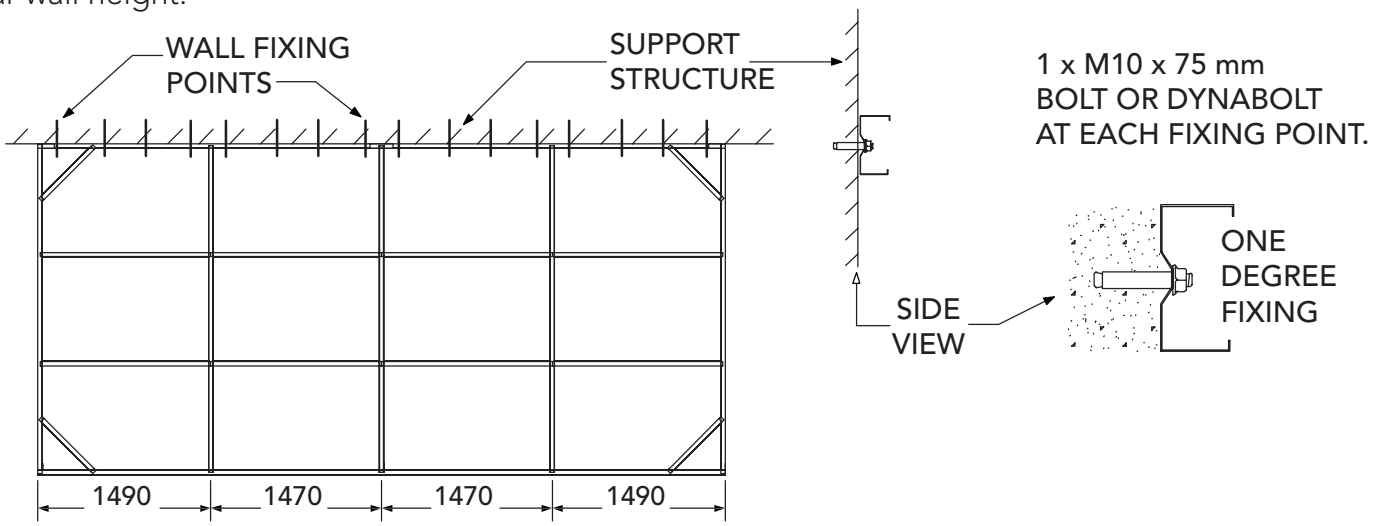
Secure a C0200, 1390 mm in from each end so rafter brackets can be fit later.

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 represents a fall from the rear to the front of the awning of 50 mm.

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

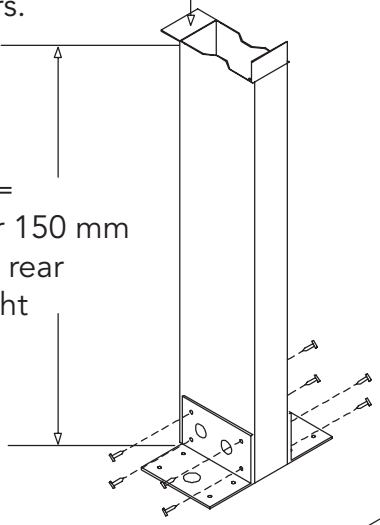
When selecting the wall height, remember that the front of the awning will be 50 mm lower than the rear wall height.



STEP 3. Prepare the posts

Bend down one tab for each post with a pair of pliers.

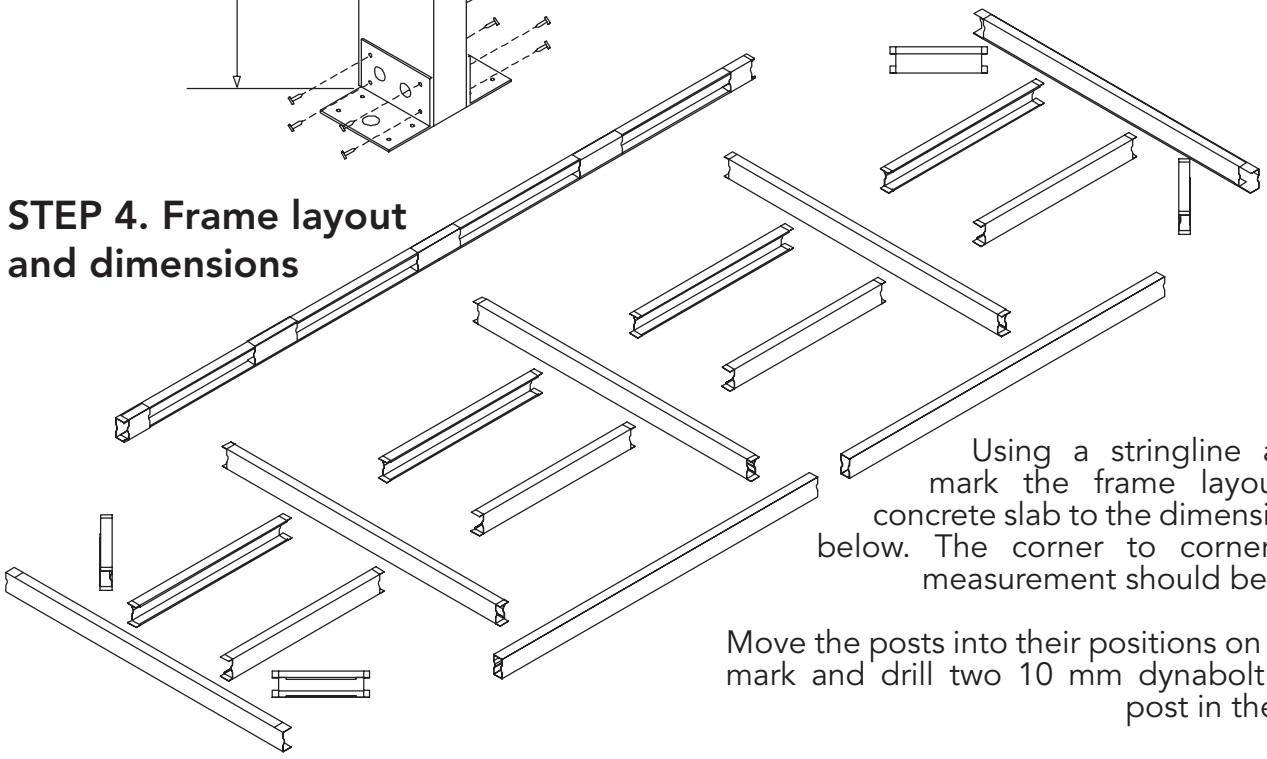
HEIGHT =
50 mm or 150 mm
Less than rear
Wall height



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.

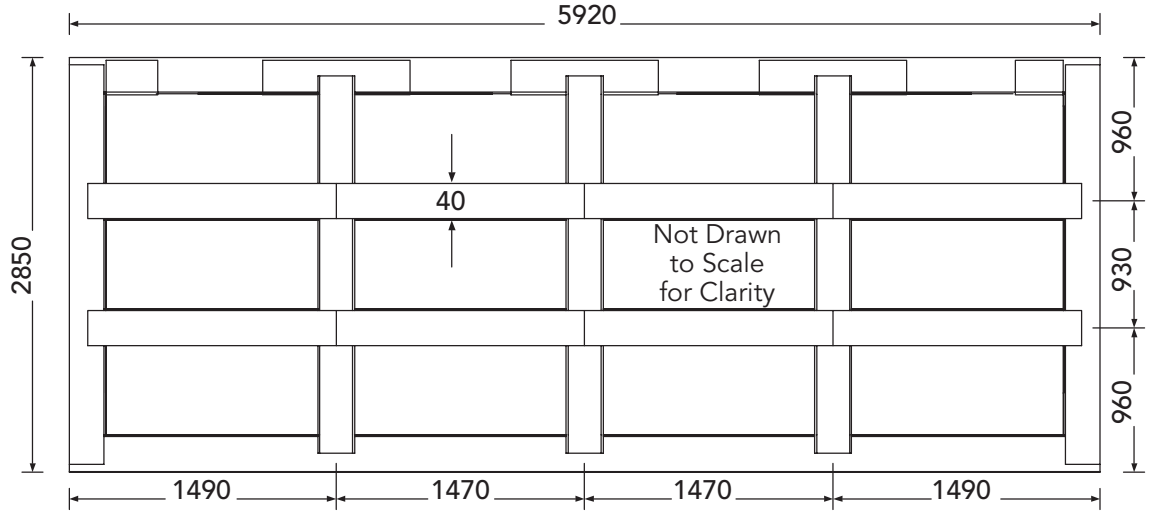
Fit two multipurpose brackets (**BKT17**) to the bottom of each post, with four wafer head tek screws (**FAST014**) per bracket

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 6570 mm.

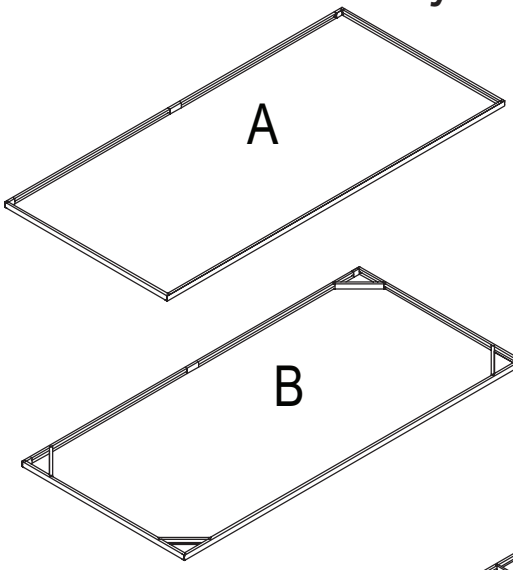
Move the posts into their positions on the layout, mark and drill two 10 mm dynabolt holes per post in the concrete.



ABSCO AWNING
MODEL: AWN6030N2

6.00mW x 3.00mD x 3.00mH

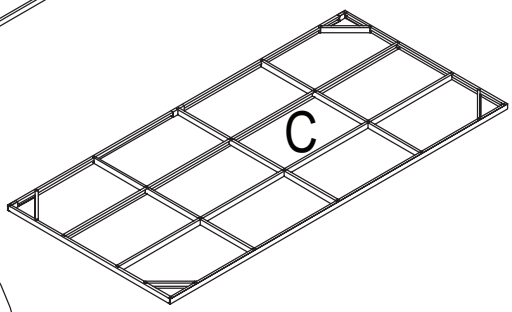
STEP 5. Frame Assembly



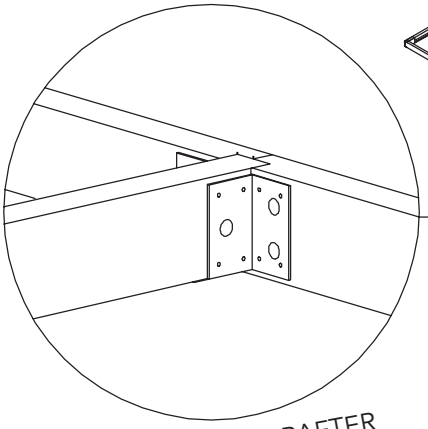
Every connection should be fixed with two wafer head tek screws (FAST014). Once completed, carefully turn the frame over and fasten with wafer head tek screws (FAST014).

A. Secure the outside sections of the frame first with one wafer head tek screw (FAST014) in each corner. Ensure that both diagonal measurements are the same, then fasten each corner with another wafer head tek screw (FAST014).

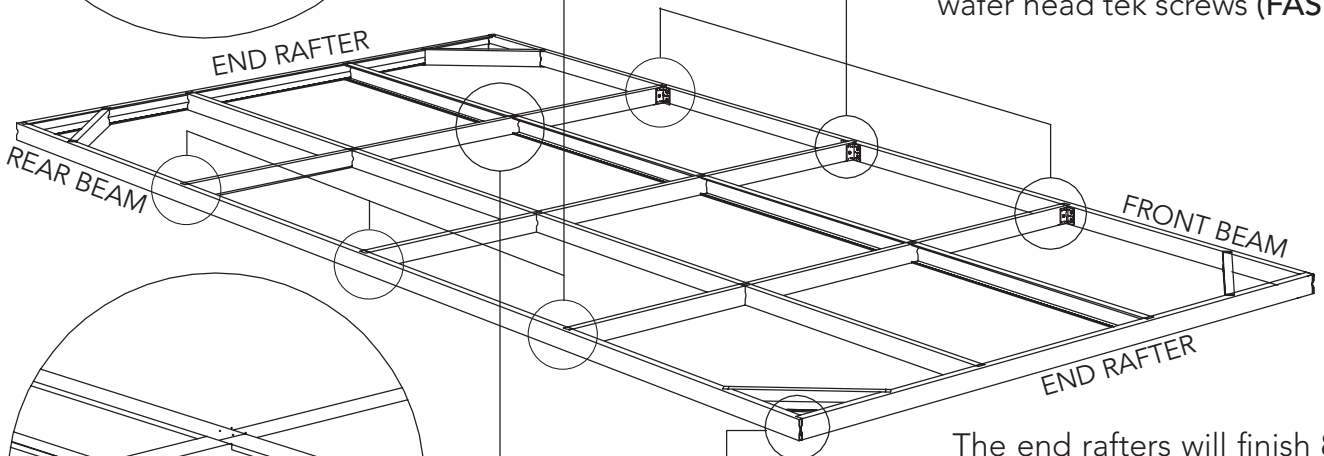
B. Position each corner brace, fasten with two tek screws at each end.

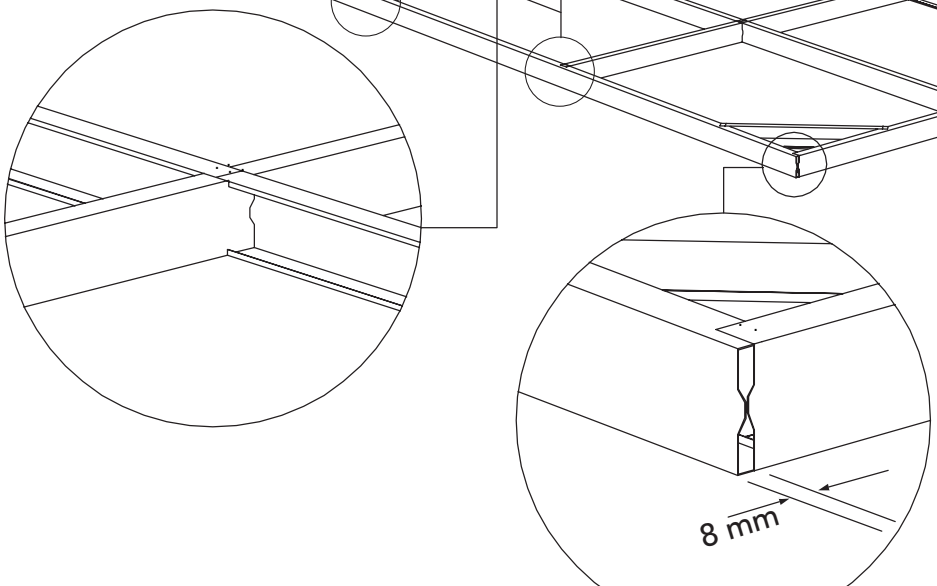


C. Move the remaining channel sections into position. Do not fasten any together until you are satisfied they are all in their proper position.



Fasten both ends of the three internal rafters with two multipurpose brackets.
Secure each bracket with eight wafer head tek screws (FAST014).





The end rafters will finish 8 mm 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 2850 mm.

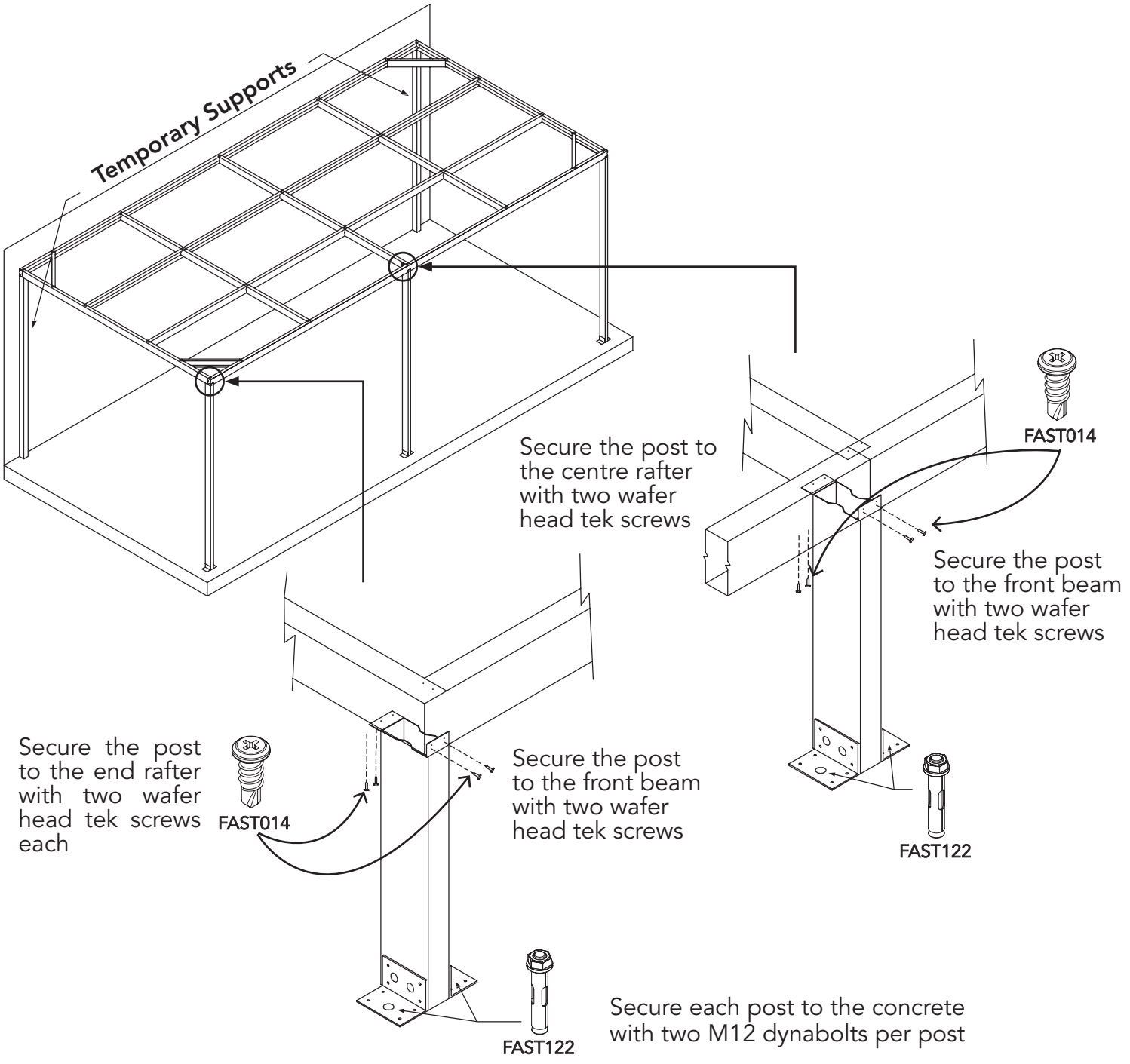
The ends of these rafters are not pre-punched.

STEP 6. Frame Installation

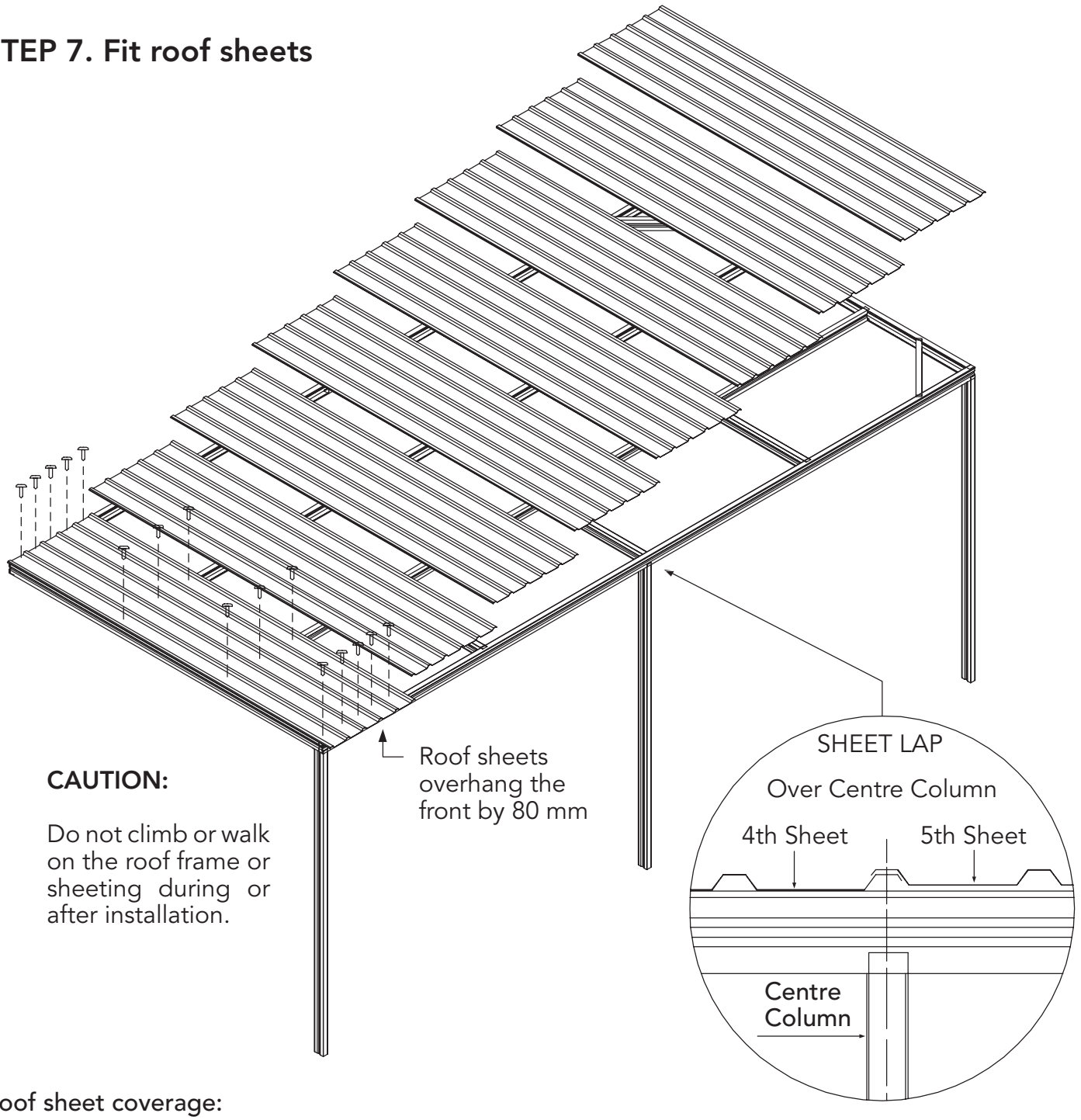
Move the posts to their correct positions and secure to the concrete with two dynabolts per post.

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



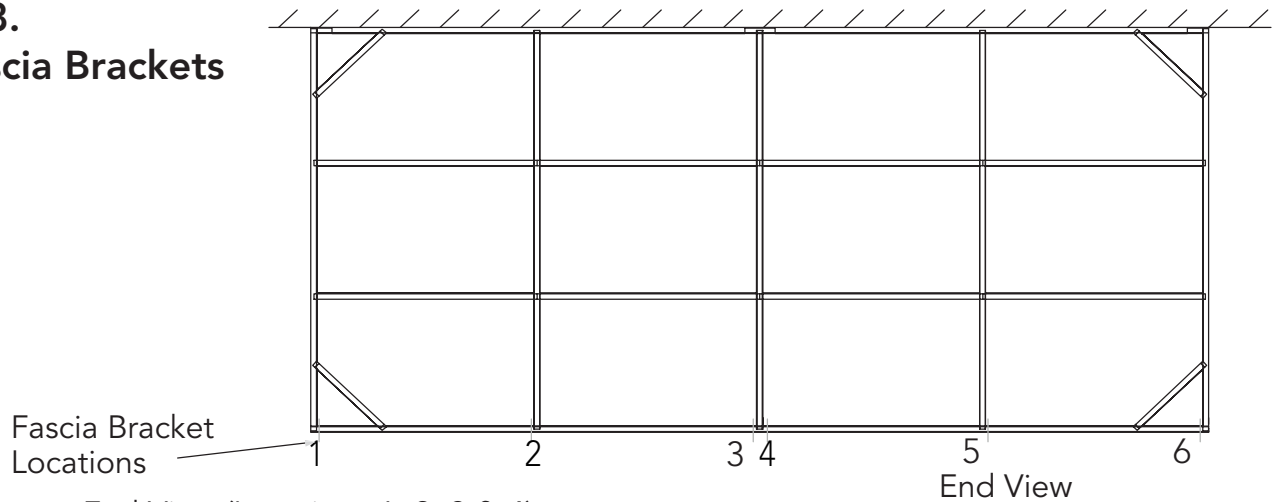
CAUTION:

Do not climb or walk on the roof frame or sheeting during or after installation.

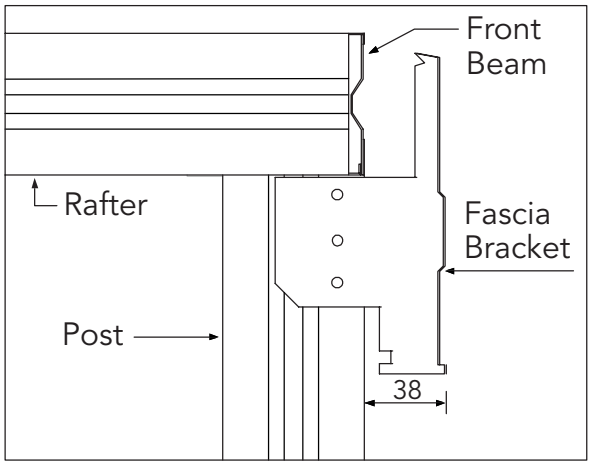
Roof sheet coverage:
8 Sheets = 5950 mm overall coverage, 30 mm longer than the roof frame. Rather than trimming this extra 30 mm of sheeting, each sheet can be "squeezed" in width by 4 mm to "soak up" the excess coverage. You can check your progress after fixing four sheets. The centre of the last rib 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 wafer tek screw (FAST014) with neo washer (FAST043) at every pan to front and rear channels
Use one wafer tek screw (FAST014 with neo washer (FAST043) at every second pan to intermediate channels

STEP 8.
Fit Fascia Brackets

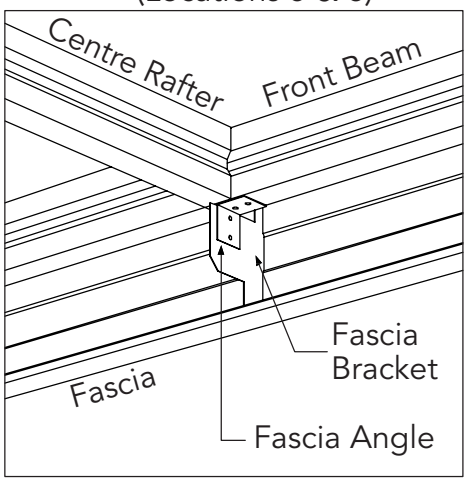


End View (Locations 1, 2, 3 & 4)



Fit one fascia bracket at locations 1, 2, 3 & 4 with three screws each as shown. Use a stringline for accuracy

End View (Locations 5 & 6)



For accuracy, complete this step after the fascia is fitted in place.

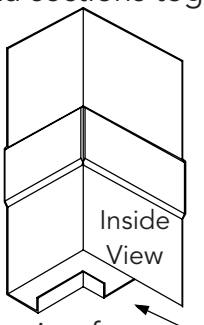
Fit one fascia bracket at location 5 & 6.

Secure the fascia angle to the front beam and to the fascia bracket as shown with four screws.

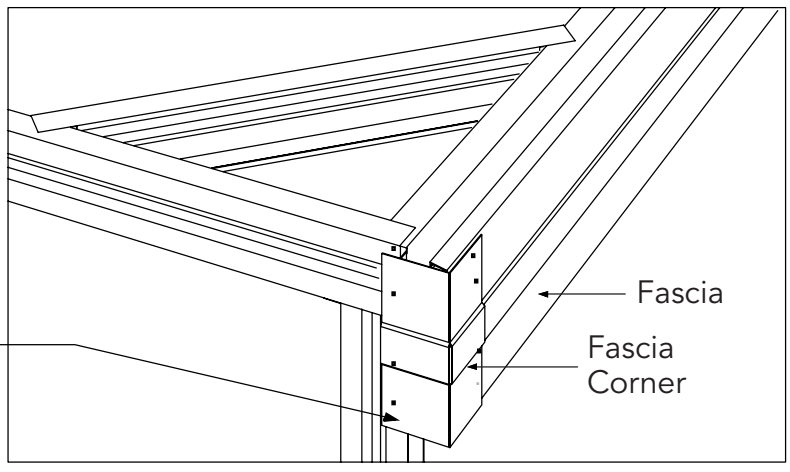
STEP 9.
Fit Fascia

Slide the fascia over one bracket, then slide back over the other bracket.
Join the two fascia sections together with fascia joiner using pop rivets

Fit both fascia external corners

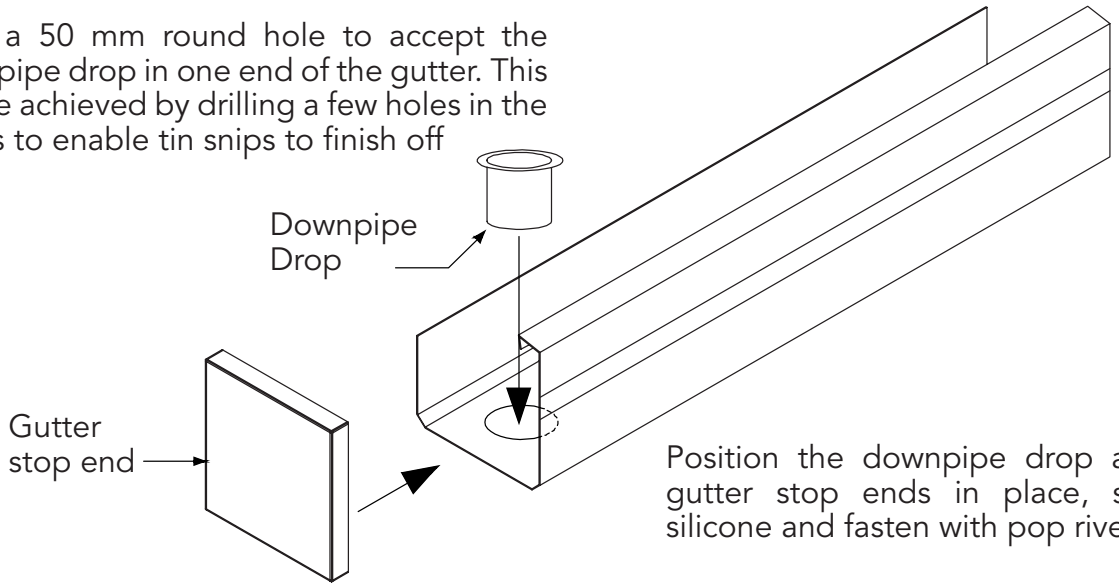


Cut out a small section from the bottom so the external fascia corner finishes flush with the end of the frame. Secure with pop rivets

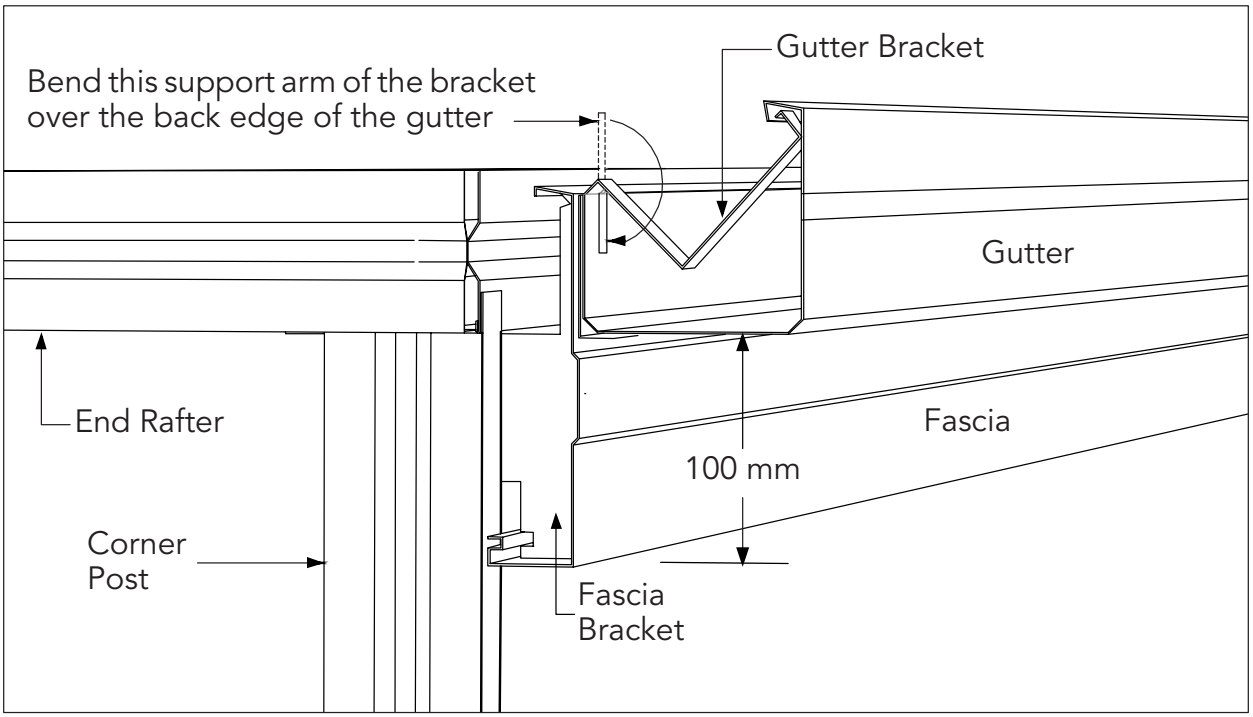


STEP 10. Fit the Gutter and Downpipe

Mark a 50 mm 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 100 mm up from the bottom of the fascia. This line represents the bottom of the gutter brackets. Allow a fall of 10 mm towards the downpipe.

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

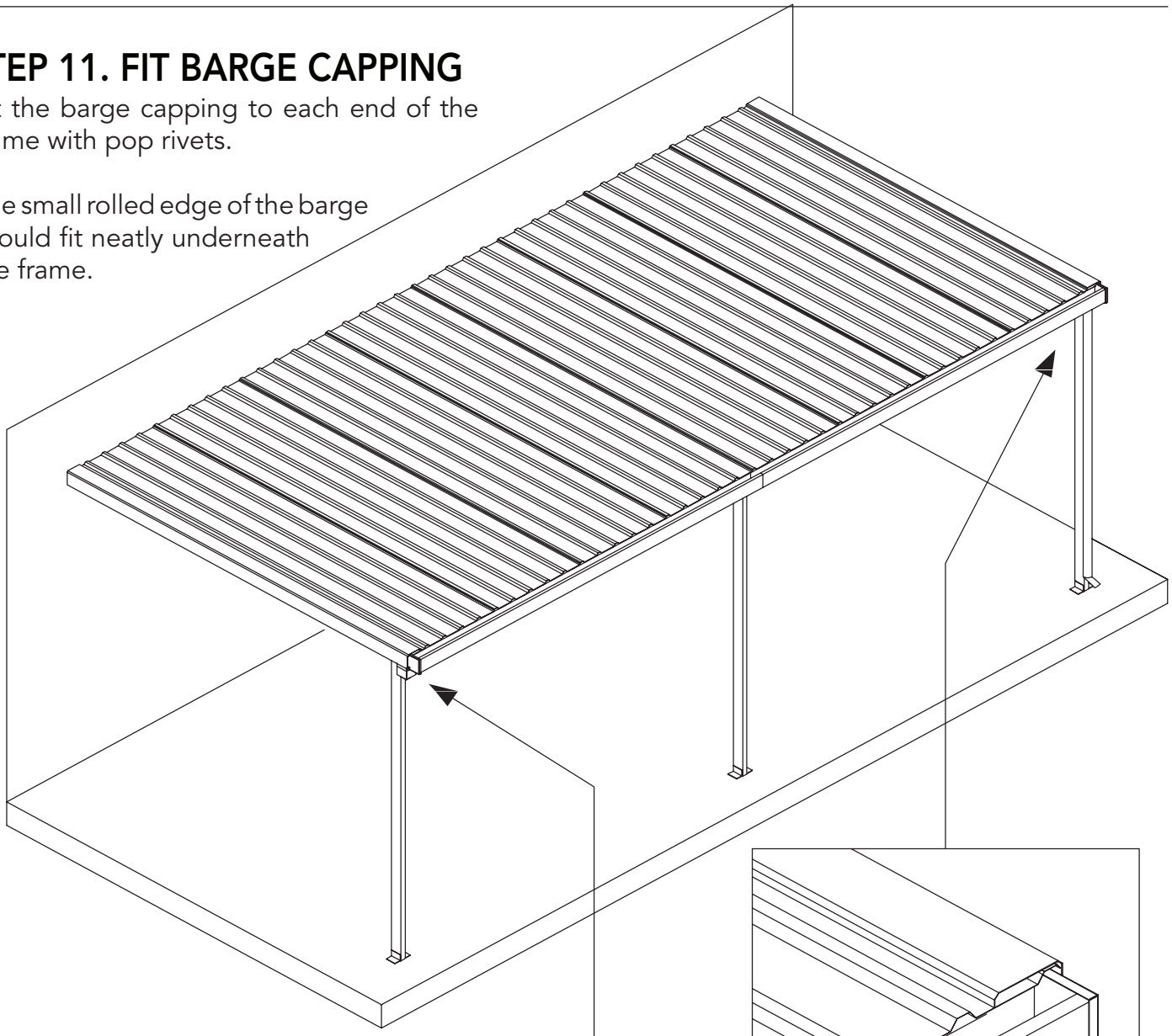
Position gutter on to brackets. Push the top of each bracket into the outer roll of the gutter, and bend the small support arm over the back edge of the gutter. Secure the brackets to the gutter through the bottom of each bracket with one rivet each.

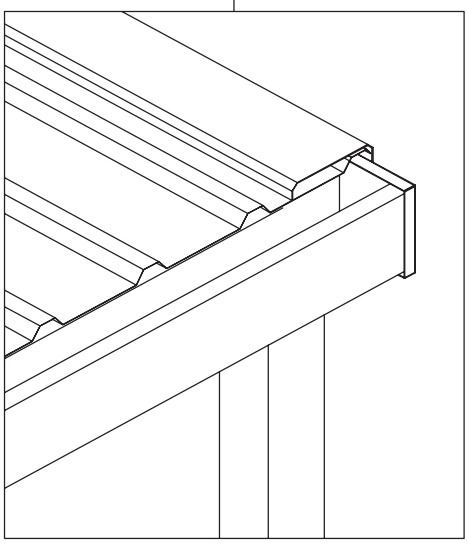
Fix the downpipe to the downpipe drop with rivets. Bend the downpipe straps to suit and fix to the bottom of the downpipe with rivets. Fix the downpipe strap to each side of the post so the downpipe is parallel to the post. Fix the 45 degree end to the bottom of the downpipe in the desired direction

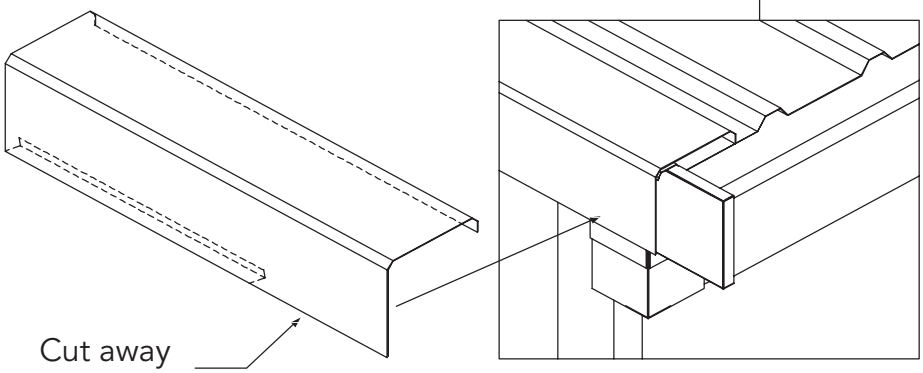
STEP 11. FIT BARGE CAPPING

Fit the barge capping to each end of the frame with pop rivets.

The small rolled edge of the barge 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.

Post-Installation Care
Clear final product of steel filings (swarf) caused by drilling holes and tek screws.

Failure to do so may cause discolouration of surfaces and promote corrosion.

Refer to warranty for more details

Some parts are used across multiple models, so certain holes may not be required for your assembly.

After completing the build, you may insert additional fasteners into any unused holes if desired.

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

AU: 1800 029 710
NZ: 0800 466 444

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

Lifetime Warranty Statement

1. DEFINITIONS

In this document, capitalised terms have the following meaning:

(a) "ABSCO" means John Scholtes Investments (No. 1) Pty Ltd trading as Absco Industries.

(b) "Authorised Purpose" means for storage (other than storage of corrosive materials), and other activities typically expected of a non-habitable structure.

(c) "Defect" means a defect in the design, workmanship, materials, or any other defect caused by the manufacturing process of the Product (including damaged or missing parts).

(d) "Excluded Environment" means land located within 1 km of:

(i) salt marine locations or other areas of marine influence;

(ii) severe industrial or other abnormally or highly corrosive environments;

(iii) areas not washed by rain;

(iv) a recognised flood, bushfire or earthquake zone; or

(v) areas with uncontrolled fill, unless an engineered foundation is constructed.

(e) "Lifetime Warranty Period" means the period of 35 years, commencing on the day after the date of purchase of the Product.

(f) "Lifetime Warranty Statement" means this 'Lifetime Warranty Statement' document.

(g) "Parties" means ABSCO and You.

(h) "Product" means any of following unless stated otherwise in the product description and/or the Product Guide for the Product:

(i) products which utilise ABSCO 'SNAP-TiTE' technology, including but not limited to garden sheds, chicken coops, bike sheds and bin covers; and

(ii) all non-insulated large structures such as carports, awnings, shades and garages,

but does not include any product stated to be in the "ABSCO Economy" range.

(i) "Product Guide" means the guide for installation and maintenance of the Product produced by ABSCO.

(j) "You" / "Your" means the customer who purchased or installed the Product, or the person who owns the land upon which the Product is installed but does not include a subsequent purchaser of the Product where the Product is moved to a different location to that originally installed.

2. ABSCO'S STRUCTURAL WARRANTY

2.1. ABSCO provides this warranty to You in relation to the Product. The warranty applies to all colours and finish variants of the Product manufactured by ABSCO and sold by authorised sellers of the Product in Australia or New Zealand.

2.2. Subject to the terms of this Lifetime Warranty Statement:

(a) ABSCO warrants that the Product will be free from Defects for the duration of the Lifetime Warranty Period; and

(b) where the Product contains a Defect, ABSCO will either repair or replace the Product, or provide You with monetary compensation for the Defect in accordance with clause 3.

3. WARRANTY CLAIM PROCEDURE

3.1. If, during the Lifetime Warranty Period, You believe the Product has a Defect, You must comply with the procedure set out in this clause 3.

3.2. Within 30 days of becoming aware of the Defect in the Product, You must notify ABSCO in writing of the alleged Defect ("Defect Notice") by email to admin@absco.com.au.

3.3. The Defect Notice must include:

(a) Your name, address and contact details;

(b) proof of purchase of the Product, including the colour and finish of the Product;

(c) the date and location of the installation of the Product and details of the contractor or installer of the Product;

(d) details of the alleged Defect in the Product, including but not limited to:

(i) a clear description of the alleged Defect;

(ii) the date the alleged Defect was first identified; and

(iii) any photographs and/or video footage of the alleged Defect.

3.4. As soon as reasonably practicable after receipt of the Defect Notice, ABSCO will contact You to investigate the alleged Defect. You must make the Product available to ABSCO and/or its authorised representatives for inspection and testing if so required.

3.5. A travel fee may apply if ABSCO and/or its authorised representatives are required to inspect the Product outside a capital metropolitan city area.

3.6. If ABSCO's investigations reveal a genuine Defect in the Product, ABSCO may elect to either:

(a) repair the Product;

(b) replace all or part of the Product; or

(c) refund all or part of the purchase price paid by You as compensation for the Defect in the Product.

3.7. ABSCO's election in clause 3.6 is at ABSCO's sole discretion.

3.8. If ABSCO elects to repair the Product, ABSCO will arrange for a qualified tradesperson to attend to the rectification of the Defect as soon as reasonably practicable. The cost of the repair will be borne by ABSCO.

3.9. If ABSCO elects to replace the Product:

(a) ABSCO will arrange for the replacement Product to be available for collection by You from the nearest ABSCO authorised reseller as soon as reasonably practicable;

(b) You may be required to return the alleged Defective parts or components to ABSCO; and

(c) You will be liable for the cost of disassembly and removal of the Product and assembly of the replacement Product.

3.10. If ABSCO elects to repair or replace the Product and the necessary parts or components are no longer manufactured or supplied by ABSCO, ABSCO may repair or replace the parts or components with parts or components of a similar quality, grade, composition and colour. You cannot object to such an alternative.

3.11. If ABSCO's investigations do not reveal a genuine Defect in the Product (including a defect which is not covered by this warranty), You agree to pay ABSCO's reasonable investigation costs.

4. WARRANTY LIMITATIONS / EXCLUSIONS

4.1. To the extent permitted by law, this warranty will not apply where:

(a) the Product has been installed or used for a purpose that is not an Authorised Purpose;

(b) the Product has not been installed, assembled, maintained and/or operated in complete compliance with ABSCO's Product Guide;

(c) the Product has been used to store corrosive materials such as fertiliser or chlorine;

(d) the Product was installed in excess of 12 months after the purchase of the Product;

(e) the Product has not been installed in accordance with the relevant standards, codes and statutory regulations;

(f) the Defect is determined to have been caused by storm, wind, rain, earthquake, fire, snow or poor foundations;

(g) the Defect is, or is the result of, surface deterioration of panels caused by 'swarf' (tiny particles of steel debris left from cutting, grinding or drilling operations);

(h) the Product has been installed in an Excluded Environment;

(i) the Product has been subject to accident, negligence, alteration, abuse or misuse;

(j) the Defect is determined to be the result of overloading; or

(k) ABSCO determines that the Defect is the result of a failure of a third-party product.

4.2. You acknowledge that:

(a) dimensions and colour of the Product are subject to normal manufacturing variations and tolerances, and that reasonable variances are not considered a Defect under this warranty; and

(b) this warranty is limited to the repair or replacement of Defects in the Product and does not extend to any other product or any other consequential or indirect damage incurred as a result of the Defect.

4.3. For the purpose of this warranty, the following matters are excluded from the definition of Defect:

(a) general wear and tear which is reasonably expected to occur over the life of the Product;

(b) surface deterioration of panels caused by 'swarf' (tiny particles of steel debris left from cutting, grinding or drilling operations);

(c) condensation caused by weather conditions such as extreme heat or cold;

(d) defects in any fastening apparatus (screws, nuts, bolts, rivets, hasps or bolts);

(e) leaks caused by driving rain;

(f) improper installation, maintenance or handling of the Product;

(g) movement, distortion, collapse or settling of the ground or the supporting structure on which the Product is installed; or

(h) staining from foreign substances (including mould, mildew, dirt, grease, oil and any other substance).

4.4. To the extent permitted by law, ABSCO is not liable to compensate You for any:

(a) increased costs or expenses;

(b) loss of profit, revenue, business, contracts or anticipated savings;

(c) loss or expense resulting from a claim by a third-party; or

(d) special, indirect or consequential loss or damage of any nature whatsoever, arising from a Defect in the Product or ABSCO's repair or replacement of the Product under this warranty.

5. CONSUMER LAW

Australian Consumer Law

5.1. Clauses 5.2 to 5.3 apply where the Product was purchased in Australia.

5.2. The Product comes with guarantees that cannot be excluded under the Australian Consumer Law. You may be entitled to a replacement or refund for a major failure of the Product and compensation for any other reasonably foreseeable loss or damage. You may also be entitled to have the Product repaired or replaced if the Product fails to be of acceptable quality and the failure does not amount to a major failure.

5.3. The benefits of this Lifetime Warranty Statement are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded. Nothing in this Lifetime Warranty Statement is to be interpreted as excluding, restricting or modifying any State or Federal legislation applicable to the supply of goods and services which cannot be excluded, restricted or modified.

New Zealand Consumer Law

5.4. Clauses 5.5 to 5.6 apply where the Product was purchased in New Zealand.

5.5. This warranty is subject to the laws of New Zealand, including but not limited to the New Zealand Sale of Goods Act, the Consumer Guarantees Act and the Fair Trading Act.

5.6. The benefits of this Lifetime Warranty Statement are in addition to any rights and remedies imposed by New Zealand legislation that cannot be excluded. Nothing in this Lifetime Warranty Statement is to be interpreted as excluding, restricting or modifying any New Zealand legislation applicable to the supply of goods and services which cannot be excluded, restricted or modified.

6. NO REPRESENTATIONS / ENTIRE AGREEMENT

6.1. You agree and acknowledge that this Lifetime Warranty Statement contains the entire agreement between the Parties regarding the warranty provided by ABSCO to You in relation to the Product.

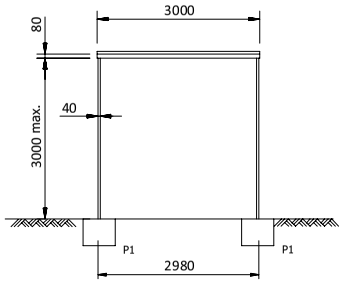
6.2. To the full extent permitted by law, this Lifetime Warranty Statement supersedes all other warranties of any kind, including whether express or implied by representations, statement, correspondence or other conditions such as merchantability or fitness for purpose.

7. REGISTRATION OF WARRANTY

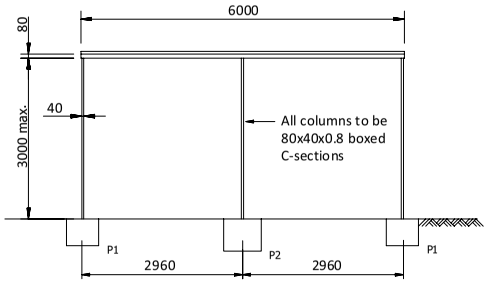
7.1. Please ensure that You keep this Lifetime Warranty Statement in a safe place along with your proof of purchase of the Product.

7.2. To ensure ABSCO has a record of your warranty, You can register Your warranty online at http://abscosheds.com.au/warranty-details/.

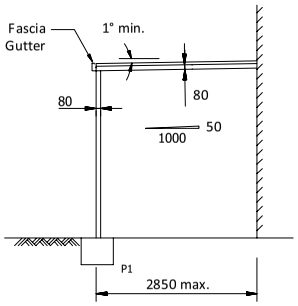
NOTE: ADDITIONAL BAYS MAY BE ADDED IN 2960 INCREMENTS, PROVIDED THAT THE DESIGN DETAILED BELOW IS ADHERED TO.



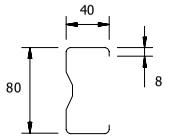
3 x 3m FRONT ELEVATION
SCALE 1:50



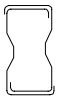
6 x 3m FRONT ELEVATION
SCALE 1:50



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.

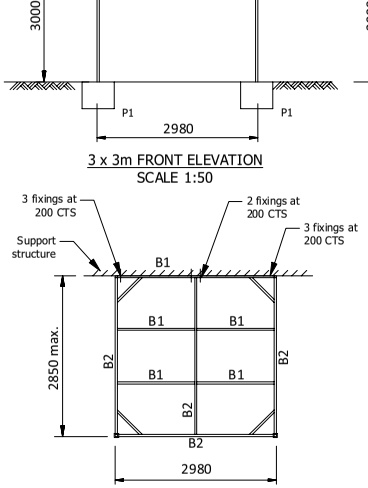
FIXINGS
F1 - All screws to be N°.10 Wafer Teks with minimum edge distance of 10mm and pitch of 15mm u.n.o.

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.

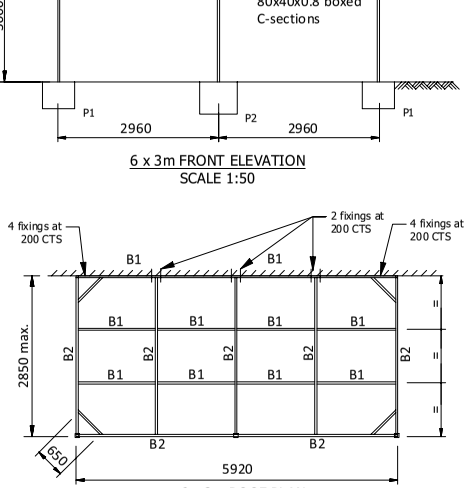
F3 - Framing members shall be connected with 4 screws per flange u.n.o.

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

F5 - All angles to be galvanised.

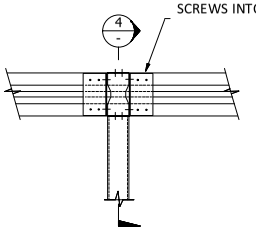


3 x 3m ROOF PLAN
SCALE 1:50
- ONE-SIDE CLOSED

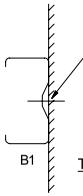


6 x 3m ROOF PLAN
SCALE 1:50
- ONE-SIDE CLOSED

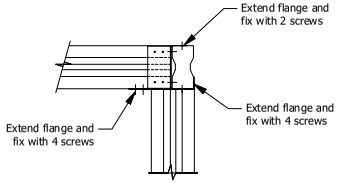
B1 - 80 x 40 x 0.8 C-SECTION
B2 - 80 x 40 x 0.8 BOXED C-SECTION



COLUMN / BEAM CONNECTION
SCALE 1:5



TYPICAL FIXING TO SUPPORT
SCALE 1:2.5



SECTION 4
Scale 1:5
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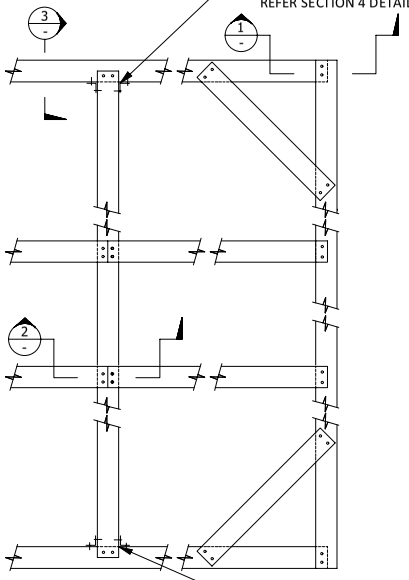
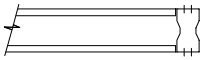
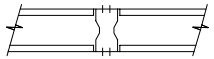


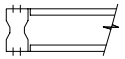
ROOF PLAN DETAIL
SCALE 1:5



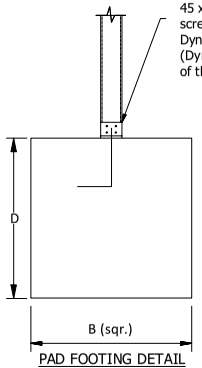
SECTION 1
Scale 1:5
-



SECTION 2
Scale 1:5
-



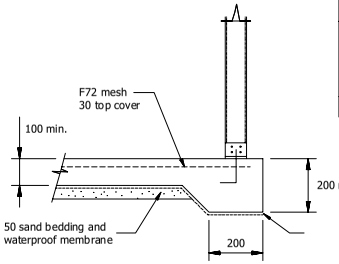
SECTION 3
Scale 1:5
-



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

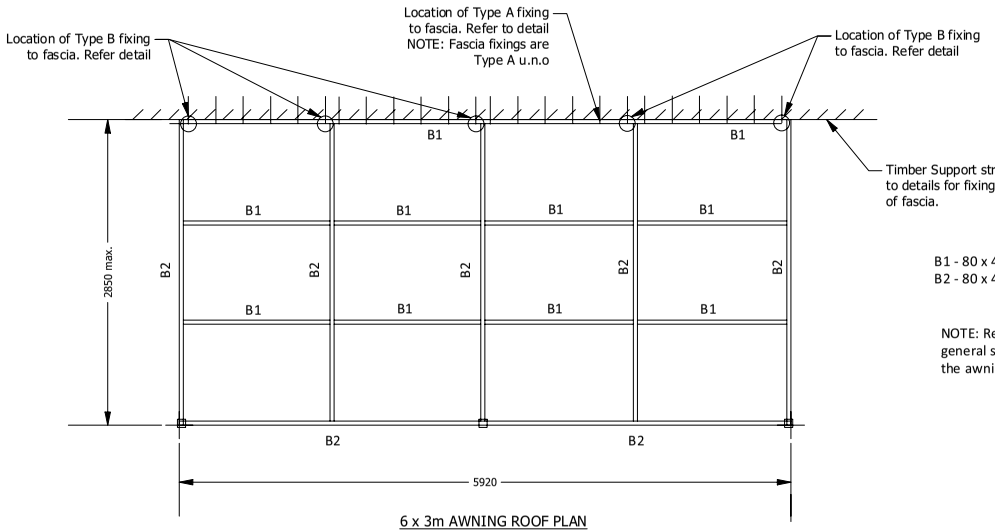


ALTERNATIVE SLAB DETAIL
SCALE 1:10

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

NJK Consulting Engineers
Client: ABSCO Sheds
Project: 3/6x3m Awnings
Date: 17 November 2022

DRAWN	SJC	ABSCO SHEDS So Tough. Too Easy.	ABS-AWN-01		3x3m & 6x3m AWNINGS		
CHECKED			STRUCTURAL DETAILS		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 1



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.

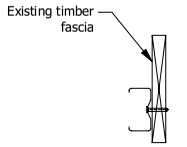
3 - The existing roof trusses or rafters which support the attached awning shall be anchored to the top PL using 1/30x0.8 GI looped strap in (1 wind group ~~and 2/30x0.8 GI looped straps in (2 wind group (or equivalent anchorage)~~.

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~~.

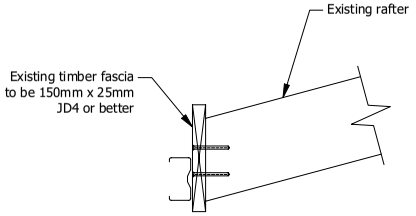
The certifier may assess the tiedown in accordance with section 9 of AS1684 to meet these requirements.

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

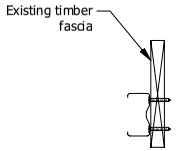


NOTE:
Fix awning wall plate to timber fascia (or to end grain of rafters with metal fascias) with 1-50mm No.14 Type 17 Hex head screw. 250mm CTS max.

WALL PLATE/FASCIA FIXING
TYPE A
SCALE 1:5

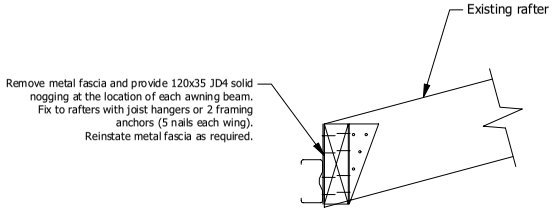


TIMBER FASCIA FIXING
SCALE 1:5



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



METAL FASCIA FIXING
FOR WALL PLATE TYPE B FIXINGS ONLY
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)~~

NJK Consulting Engineers
Client: ABSCO Sheds
Project: 3/6x3m Awnings
Date: 17 November 2022

DRAWN SJC	ABSCO SHEDS So Tough. Too Easy.	ABS-AWN-02	3x3m & 6x3m AWNINGS				
CHECKED		FASCIA FIXING DETAILS	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		

NOTES

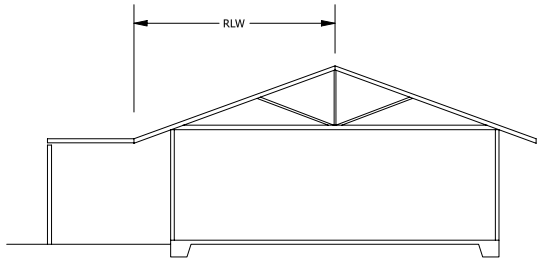
1 - Rafters and trusses shall be anchored to the top plate or directly to slab or subfloor as per the attached details to meet the design uplift force nominated in table 1.

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

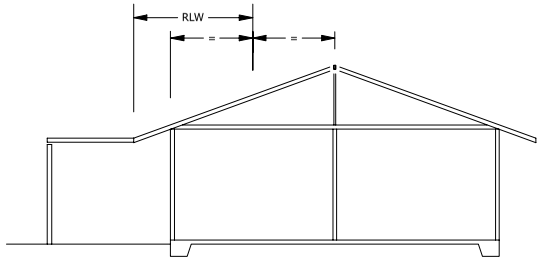
Where any doubt exists as to the suitability of the existing or proposed tiedown the certifier shall refer specifically to Section 9 of AS1684.2:2021 Tables 9.19, Table 9.21 & Table 9.22 to assess the adequacy of the tiedowns to meet the uplift forces in TABLE 1.

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

NJK Consulting Engineers
Client: ABSCO Sheds
Project: 3/6x3m Awnings
Date: 17 November 2022

DRAWN	SJC	12/10/2022
CHECKED		
TECH APPROVED		

ABSCO SHEDS
So Tough. Too Easy.

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ABS-AWN-05						3x3m & 6x3m AWNINGS	
REQUIRED TIEDOWN OF EXISTING RAFTERS/TRUSSES						N2 WIND CLASS	
SIZE	A3	SCALE	AS SHOWN	REV	0	SHEET	1 OF 1