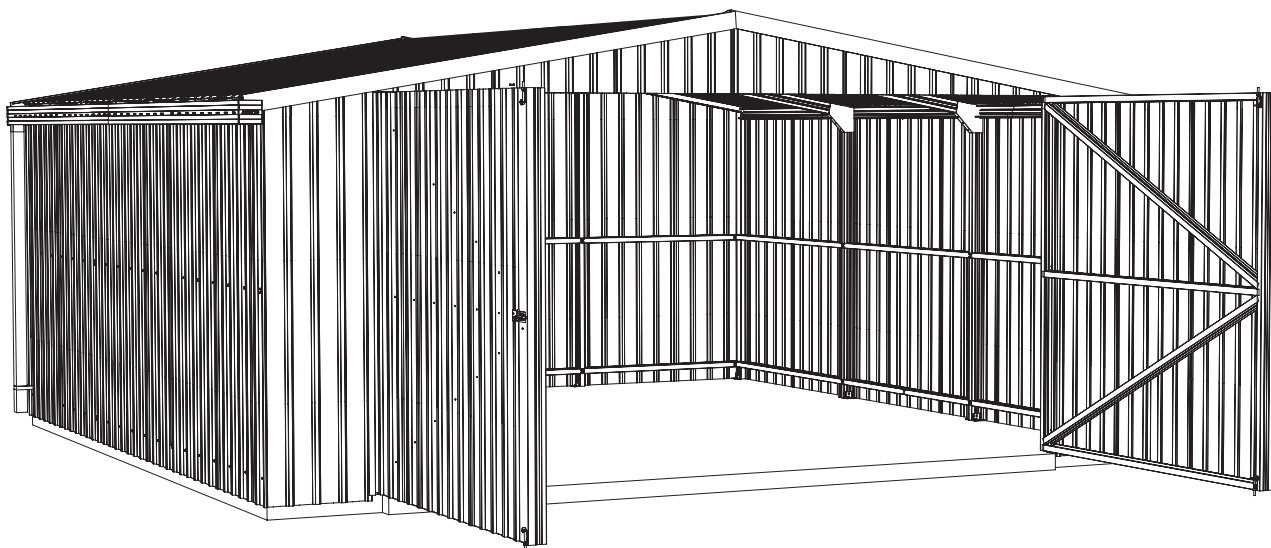


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NZ: 0800 466 444

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[www.absco.sheds.com.au](http://www.absco.sheds.com.au)

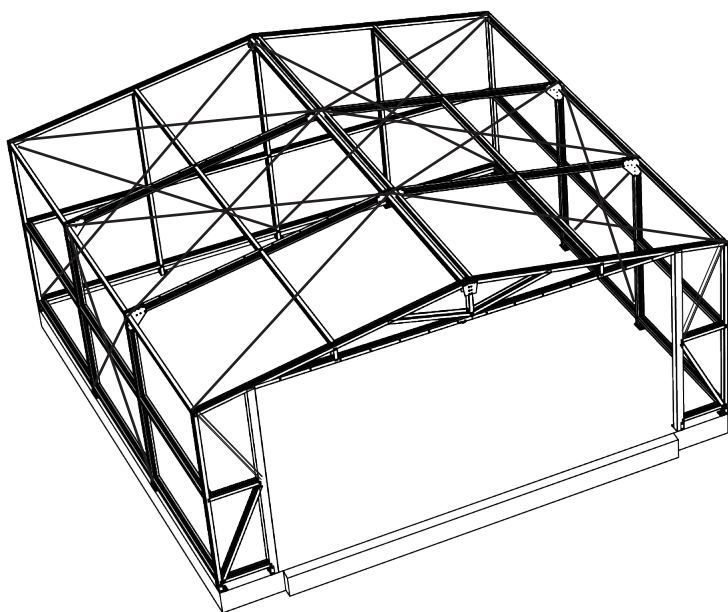


**5.64 x 5.49 m x 2.64**

Opening width: 4400mm

Opening height: 2210mm

Internal wall height: 2170mm



\*You will need to contact a suitably qualified professional to specify concrete slab or footings for your site.

Brackets for securing the frame to either a concrete slab or footings are included in this kit. Anchors are not supplied.

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.

For construction in non-cyclonic areas

Wind rating: N2 as per AS4055-2021.

If you require a higher wind rating please contact us: [admin@absco.com.au](mailto:admin@absco.com.au) or 1800 029 701



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### Tools Required



ELECTRIC  
DRILL



STEP LADDER  
(min 1.8m)



ELECTRIC DRILL WITH  
HAMMER FUNCTION



MALLET



TAPE  
MEASURE



POP RIVET  
TOOL



10mm MASONRY  
DRILL BIT



SHIFTING SPANNER /  
13mm SOCKET TOOL

### Tools Recommended



SPIRIT  
LEVEL



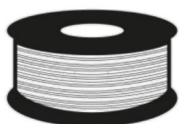
PHILLIPS HEAD  
SCREW DRIVER



SILICONE



TIN  
SNIPS



BUILDERS'  
-STRING-



MARKER



ANGLE



HACKSAW

### Safety Notes

- Some parts and assemblies have sharp edges and/ or sharp corners.
- The use of gloves and safety shoes is highly recommended.
- Pay attention to where these parts can be handled most safely, and plan the handling of these parts and assemblies prior to working with them.
- The assembly of this product requires drilling into sheet metal which produces small metal shavings.
- Clearing of these shavings throughout the assembly process is highly recommended.



The assembly of this product requires some lifting of heavy assemblies

## Steps To Construct Your Garage

Identification of parts .....	4
Concrete slab/ footing details .....	9
Rear frame assembly .....	11
Center frame assembly .....	13
Front frame assembly .....	15
Frame layout .....	17
Frame construction .....	18
Fit roof purlins .....	20
Fit sheeting .....	21
Assemble & fit barn doors .....	24
Fit gutters & trim .....	28
Engineering drawings.....	30

## Helpful Hints

### 1. Part numbers

As noted on page one, part numbers have been printed on most 80 x 40 channel sections and sheeting. All other components have not been marked with part numbers, but can be identified by their description, size and sketches provided on pages three, four and five of this instruction.

### 2. All components pre-cut to size

Do not cut any components to a different size, unless it is clearly noted in this instruction to do so. Dimensions in this assembly instruction are exact, where as dimensions noted on the engineering plans are approximate. Double check that you have the correct component for the correct location.

### 3. Self drilling screws



10 x 16 Hex head tek screw for general use.



10 x 16 Hex head tek screw with neoprene washer for securing roof sheets to framework.



Phillips head tek screw - use on outside of front framework to maintain a smooth surface to surface to secure sheeting to.

The structure is assembled using these self drilling tek screws. All roof and wall sheets are pan fixed. ie screw through the flat pan of the sheet into the framework.

Screw driver bits are included for use in your drill. Refer to the attached engineering drawings for the quantity of screws required per connection.

#### 4. Missing parts

To prevent damage in transit, some items are packed inside others. eg. some flashings may be inside channel sections, other items may be packed inside gutters, some roof sheets packed on top, some on the bottom etc. be very thorough when checking and locating all components.

#### 5. Anchor sets not supplied (Hold down brackets are included)

Anchor sets are not supplied with this garage, but can be obtained from most hardware outlets. Anchors required for this garage are as follows;

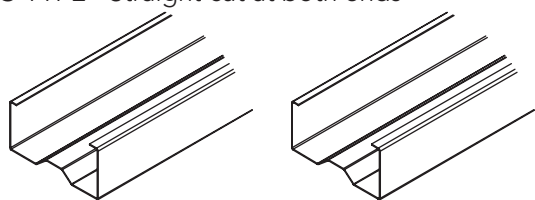
QTY 26      12 X 130 Dynabolts.

### Frame Section Identification Guide

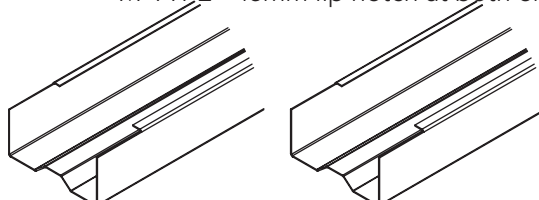
There are several types of frame section, each featuring a different combination of notches and/or holes. Frame sections are coded with a letter representing the type of frame section, followed by the length of the frame section in millimeters.

EG: C2960 = Straight cut both ends with overall length of 2960mm

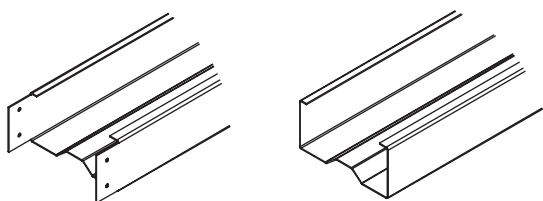
C-TYPE - Straight cut at both ends



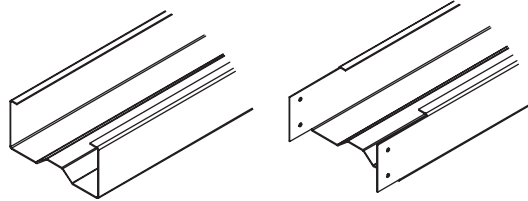
M-TYPE - 45mm lip notch at both ends



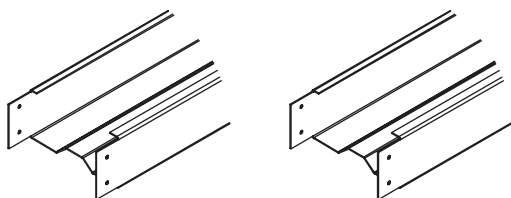
J-TYPE - Straight cut at one end: 20mm tab notch with holes at other end



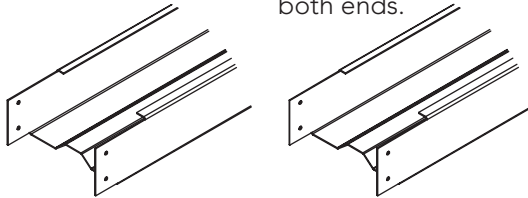
N-TYPE - Straight cut at one end: 45mm lip notch/20mm tab notch with holes at other end



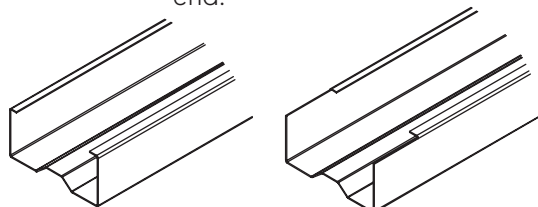
K-TYPE - 20mm tab notch with holes at both ends



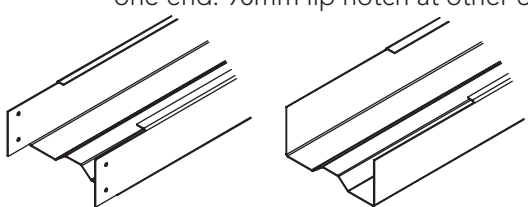
P-TYPE - 45mm lip notch/20mm tab notch with holes at both ends.



L-TYPE - Straight cut at one end: 45mm lip notch at other end.



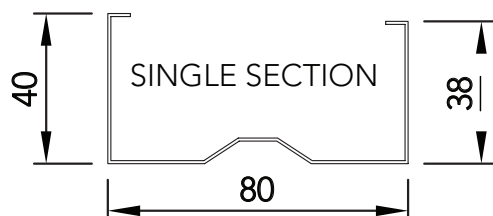
R-TYPE - 45mm lip notch/20mm tab notch with holes at one end: 90mm lip notch at other end.



S-TYPE - Variable notching and/or holes nominated in parts checklist

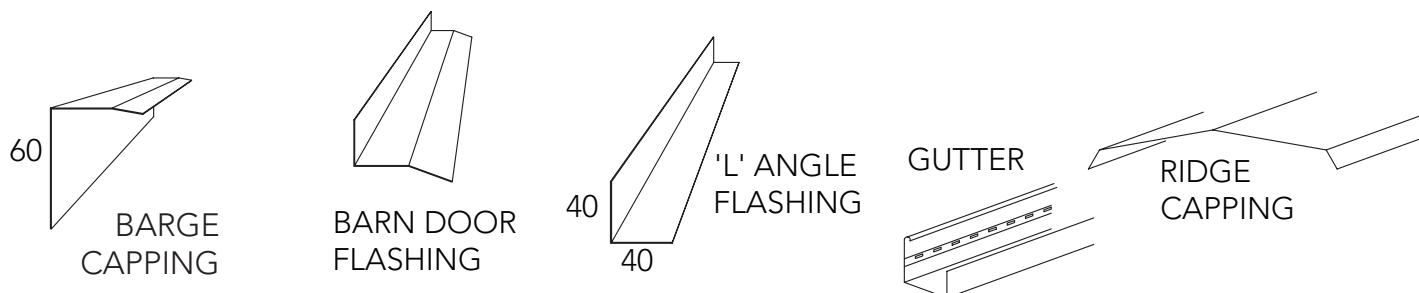
## Part Details (Sheet 2 of 6)

### 80mm x 40mm Galvanized Channel Framing Sections


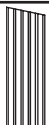
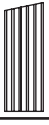

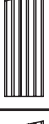










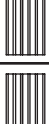




One leg of the channel section is 2mm shorter than the other leg to allow two channel sections to be boxed together. Most framing requires only single sections of channel, with boxed sections located only where noted in this instruction.

PACK TYPE	QTY	PART No.	CHECK	PACK TYPE	QTY	PART No.	CHECK
FRONT FRAME	2	2150		CENTRE FRAME	8	C2069	
	2	S2833			8	C2832	
	2	C2199		SIDE	12	K1780	
	3	C1466		ROOF	18	K1780	
	2	R0877		BARN DOORS	8	C2177	
	1	J0403			6	K2142	
	4	K0525			4	P2360	
	4	R1100					
	2	K0144					
	4	C0100					
REAR FRAME	2	C2150					
	2	N2380					
	2	C2335					
	2	C2633					
	2	M2833					
	8	K1392					
	2	C0100					



### SHEET PACK

QTY	COMPONENT DESCRIPTION	PART No.	CHK	QTY	COMPONENT DESCRIPTION	PART No.	CHK
1	 STEEL SHEET 2676 x 773mm REAR	CLB1		1	 STEEL SHEET 2676 x 773mm REAR	CRB1	
1	 STEEL SHEET 2546 x 773mm REAR	CLB2		1	 STEEL SHEET 2546 x 773mm REAR	CRB2	
1	 STEEL SHEET 2416 x 773mm REAR	CLA1		1	 STEEL SHEET 2416 x 773mm REAR	CRA1	
2	 STEEL SHEET 2286 x 773mm CORNER	CLA2		2	 STEEL SHEET 2286 x 773mm CORNER	CRA2	
1	 STEEL SHEET 435 x 773mm FRONT	087L		1	 STEEL SHEET 435 x 773mm FRONT	087R	
1	 *STEEL SHEET 305 x 773mm FRONT	070-1		1	 *STEEL SHEET 305 x 773mm FRONT	070-2	
1	 *STEEL SHEET 175 x 773mm FRONT	070-3		1	 *STEEL SHEET 175 x 773mm FRONT	070-4	
16	 STEEL SHEET 2860 x 773mm ROOF	286		14	 STEEL SHEET 2180 x 773mm SIDE WALL	218	
2	 *STEEL SHEET 2175 x 695mm DOOR	217-A		4	 STEEL SHEET 2175 x 773mm DOOR	217	

\* Part number not printed as above. Confirm part by dimensions and/or angle of cut.

### Part Details (Sheet 5 of 6)

EXTERNAL TRIM						
QTY	TYPE		LENGTH	CHECK		
2	RIDGE CAPPING	TR08	3030			
4	BARGE CAPPING	TR34	3050			
4	GUTTERS	TR22	3030			
2	BARN DOOR FLASHING	TR21	3030			
4	'L' ANGLE FLASHING	TR19	3030			
2	50mm PVC DOWNPIPES	RWG14	1880			
BRACKETS, PLATES AND ACCESSORIES						
QTY	DESCRIPTION			QTY	DESCRIPTION	
2	TYPE 'H' CHANNEL 2233mm LONG H2233			3	ROLLS CYCLONE STRAPPING FAST040	
8	CENTER FRAME KNEE PLATES ZACO193			4	600 x 38 x 1.0 BMT TOP CHORD PLATE ZACO222	
4	CENTER FRAME APEX PLATES ZACO194			4	PURLIN CONNECTION PLATES ZACO200	
2	150 x 150 x 1.0 BMT TRIANGULAR PLATE LRG ZACO190			1	SCREWDRIVER BIT FAST038	
1	SET OF INSTRUCTIONS			2	PACK OF 100 POP RIVETS 1/8" FAST009 PACK12	
200	SELF DRILLING SCREWS Fast 200			2	DOWNPIPE SPOUTS 50mm DIA. RWG17	
900	HEX HEAD TEK SCREWS Fast014			6	84mm BUTT HINGES FAST028	
2	DOOR PLATE 12A					
3	PADBOLTS & HASPS FAST006					
14	GUTTER BRACKETS RWG06					

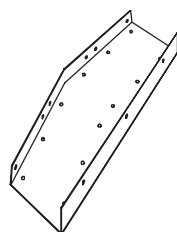
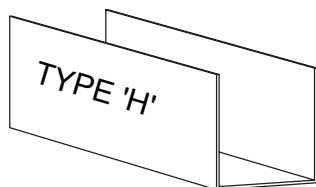


**Part Details (Sheet 6 of 6)**

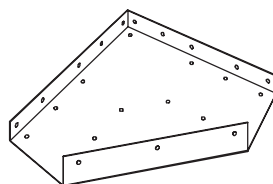
**BRACKETS, PLATES AND ACCESSORIES (CONT.)**

QTY	DESCRIPTION	CHECK	QTY	DESCRIPTION	CHECK
4	GUTTER STOP ENDS - TR25		26	MPB MULTI-PURPOSE BRACKETS - BKT17	
400	HEX HEAD TEK WITH NEO WASHERS - FAST035				

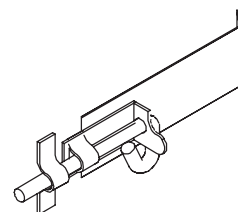
80 x 80 x 80 Channel  
FRONT FRAME H2233



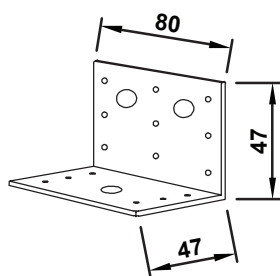
APEX  
PLATE  
ZACO194



KNEE  
PLATE  
ZACO193



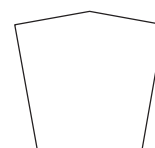
PADBOLT FAST006  
HASP  
DOOR STRAP ZAC012A



MPB  
MULTIPURPOSE  
BRACKET (DIFFERENT  
HOLES USED  
FOR DIFFERENT  
APPLICATIONS)  
BKT17



DOWNPIPE  
SPOUT  
RWG17



PURLIN  
CONNECTION  
PLATE  
ZAC0200



150 x 150 x 1.0 BMT  
TRIANGULAR PLATE LRG  
ZACO190



600 x 38 x 1.0 BMT  
TOP CHORD PLATE  
ZACO222

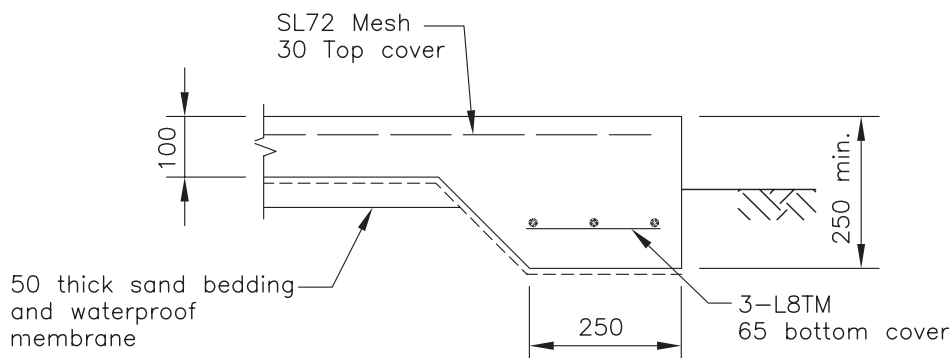
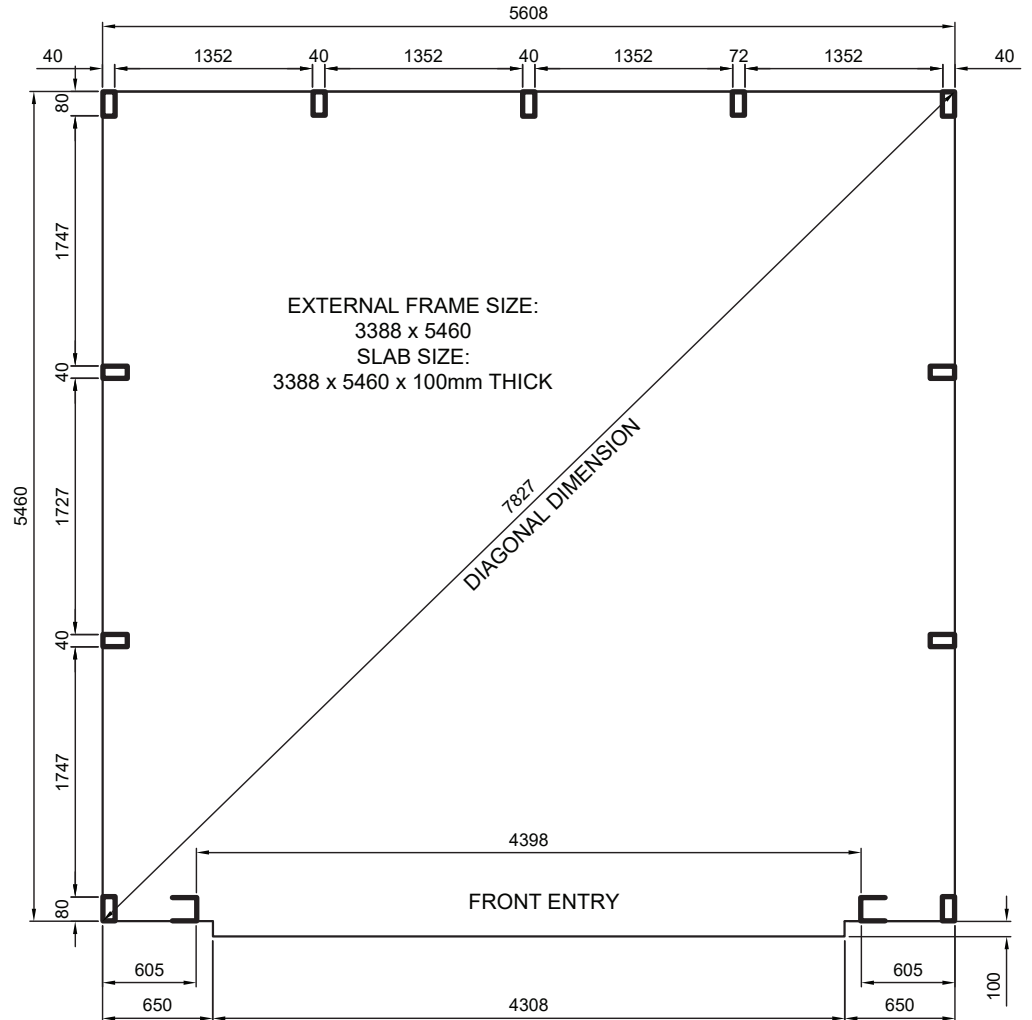


## CONCRETE SLAB AND FRAME LAYOUT DETAILS

### ATTENTION

This slab detail is used for illustrative purposes and may not be suitable for your specific site.

As mentioned on page 1, you will need to contact a suitably qualified professional to specify concrete slab or footings for your site.



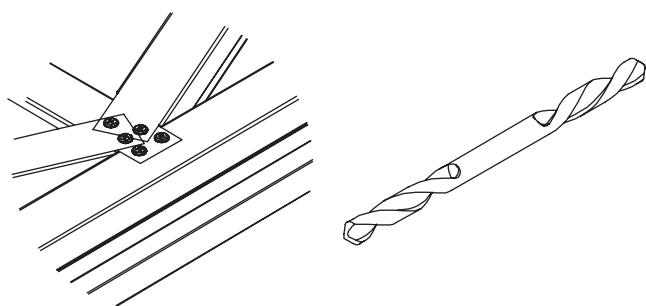
The garage has been designed so the slab and the external frame size are the same. The wall sheeting then overlaps the slab by a depth of 30mm to form a water proof joint.

## 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.

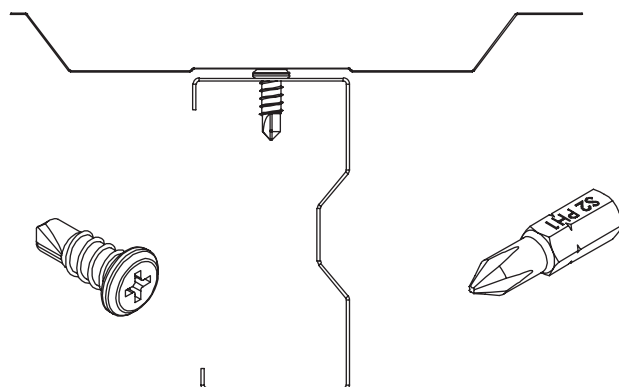


Absco sheds' frame sections are manufactured from light gauge steel, enabling for the notched ends or lengths of one frame section to be spread over the sides of another frame section, boxed frame section or H-section.

Some connections are designed to fasten more than two parts together. Connections may also not feature a defined alignment or physical stop.

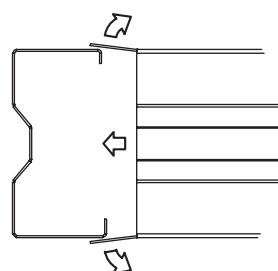
For these reasons, focus on arranging all parts of a frame assembly or subassembly together (to the overall sizes and check measurements nominated) using minimal screws. This allows for easier adjustment to various connections which may be necessary to achieve the overall dimensions and check measurements 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



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

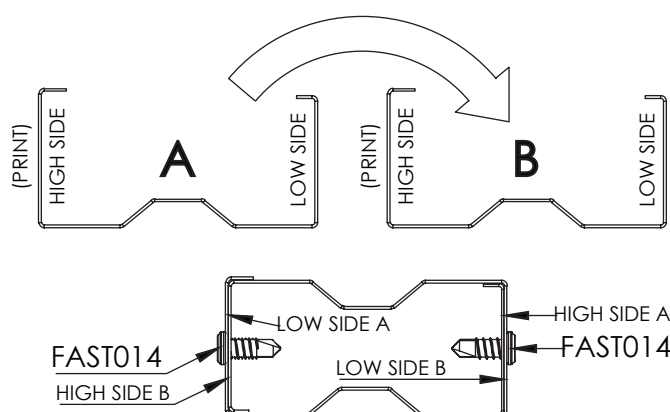
A 3mm drill bit is supplied for pre-drilling holes where self drilling screws may be more difficult to establish holes with (EG. Fitment of purlin brackets).



## 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.

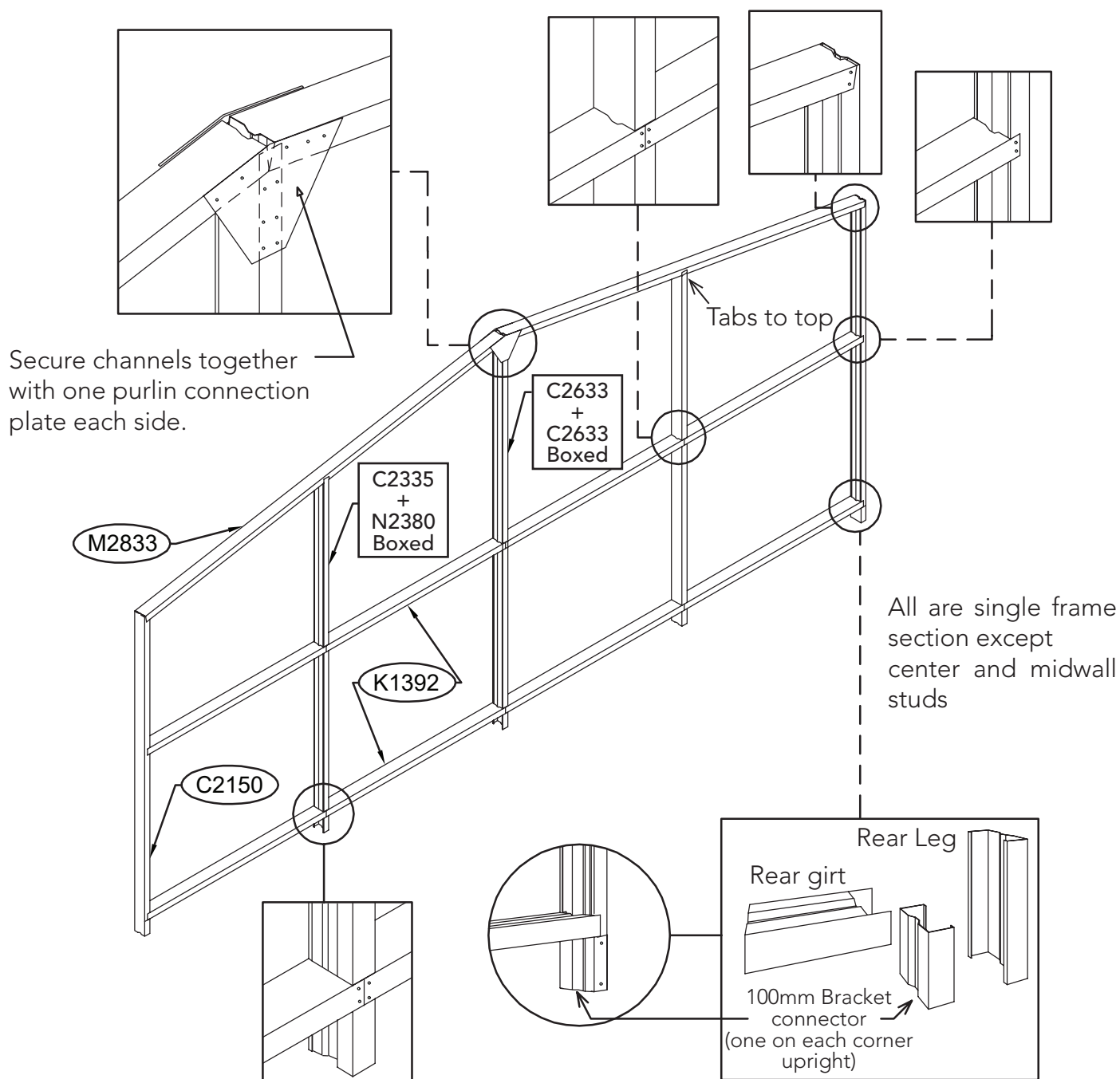


### Rear Frame

Parts required: 80 x 40 Frame section.

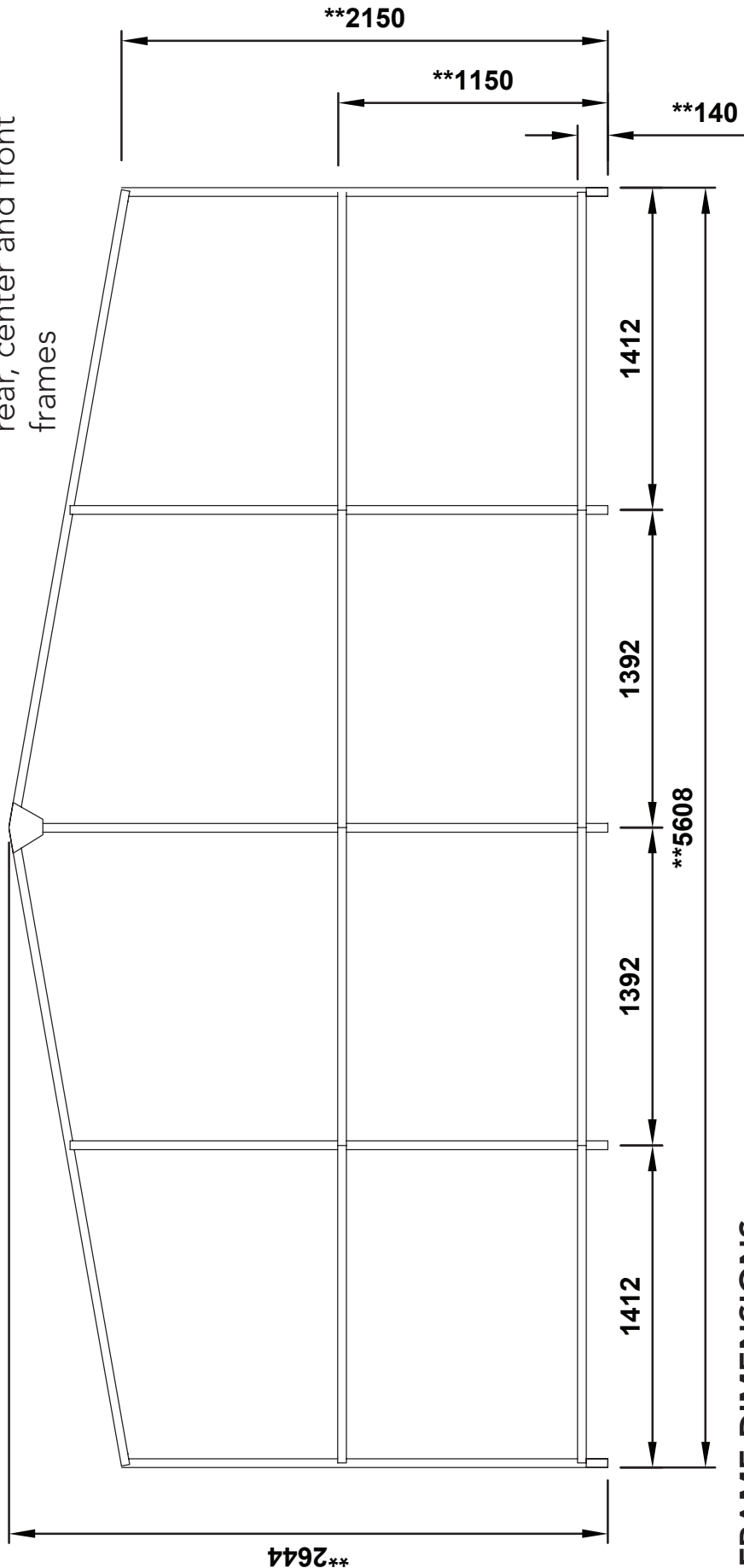
2x M2833	Top chord	2x ZACO200	Purlin connection plate
2x C2150	Corner upright		
2x C2633	Centre stud - to box		
2x C2335	Midwall stud - to box		
2x N2380	Midwall stud - to box	Box these sections together	
8x K1392	Girt	1 OFF: C2633 + C2633	Centre stud
2x C0100	Bracket connector	2 OFF: C2335 + N2380	Midwall stud

- See the next page for detailed dimensions
- Refer to the engineering drawings for the quantity of screws required at connection points



## FRAME DIMENSIONS

**Note:** \*\*Highlighted dimensions identical for rear, center and front frames



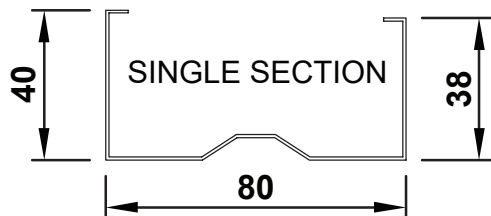
## FRAME DIMENSIONS

- Lay the parts out on your slab or level area as shown.
- Check diagonals for squareness, then join all components together with self drilling screws.
- Re-check the dimensions, then mark around the outside of the frame with chalk so that you have a template for the remaining frames.
- Using the 100mm bracket connectors, box the bottom of the two corner legs as shown on the previous page.
- Carefully turn the frame over and fasten with screws on the opposite side.

### Internal Frame

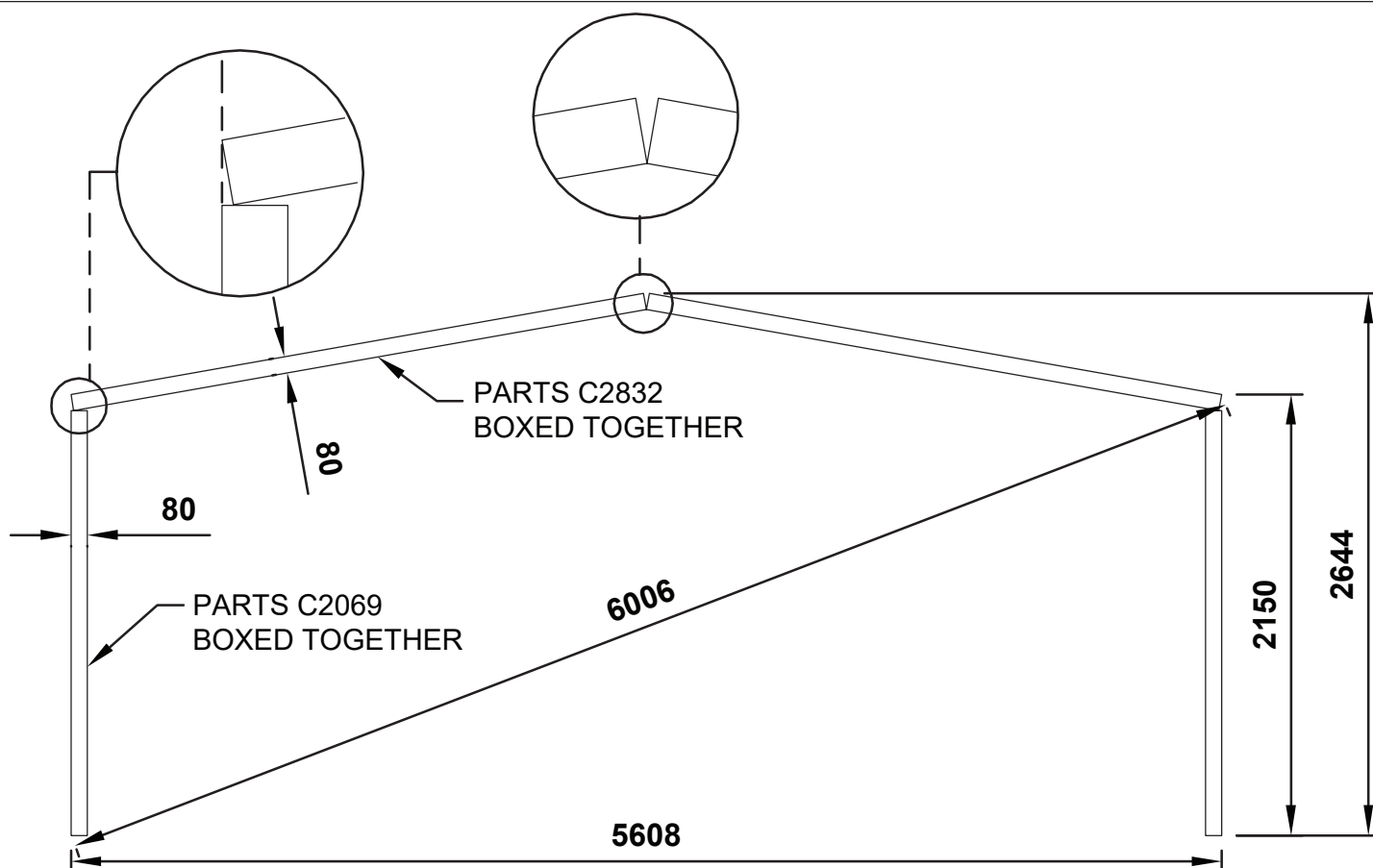
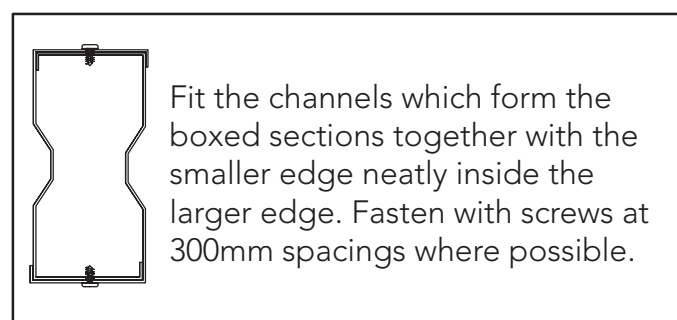
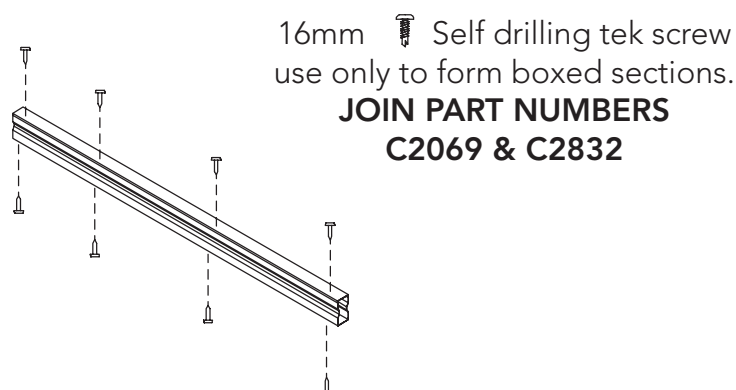
(2x required)

#### Galvanised Channel



Part No.	Qty	Length	Pre-Assembly
C2069	8	2069	= 4x Box sections
C2832	8	2832	= 4x Box sections

4x Apex plates  
8x Knee plates

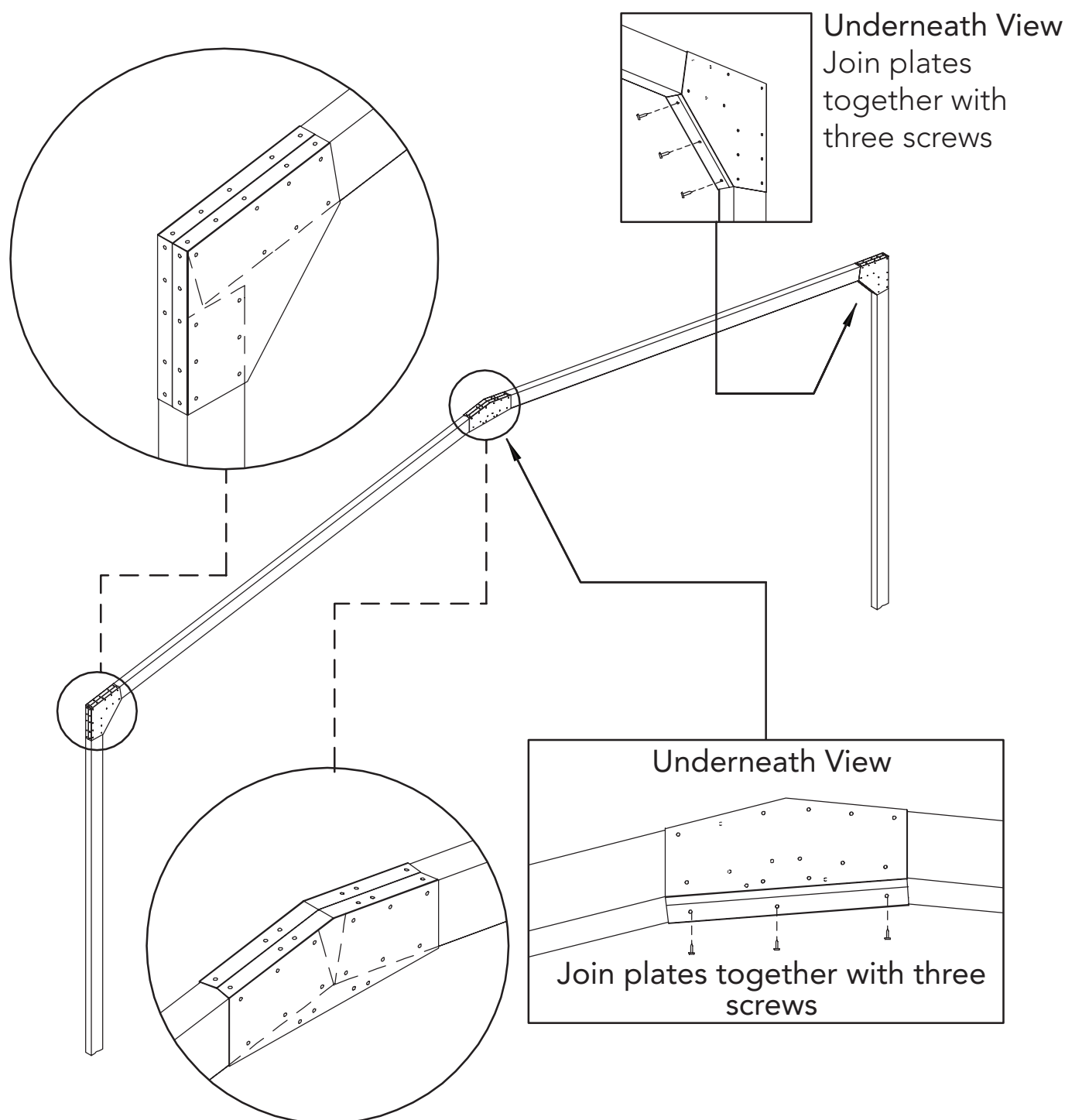


- Lay out the boxed sections to the above configuration.
- Use the same layout pattern as the rear frame. Check that both diagonal measurements are equal to ensure that the frame is square.

## Internal Frame (continued)

(2x required)

Secure apex plates and knee plates to each side of the frame as shown. Use self drilling screws at every pre-punched location in both knee and apex plates. Carefully turn frame over, re-check dimensions and diagonals, then fasten plates in the same manner as the previous page.



Parts required: 80 x 40 Channel

EX 5E177

Boxed all five sections together –  
to form one 4398mm Head Beam

Keep the first screw 150mm  
in from each end.

## 80x80 Channel

2x Purlin connection plates

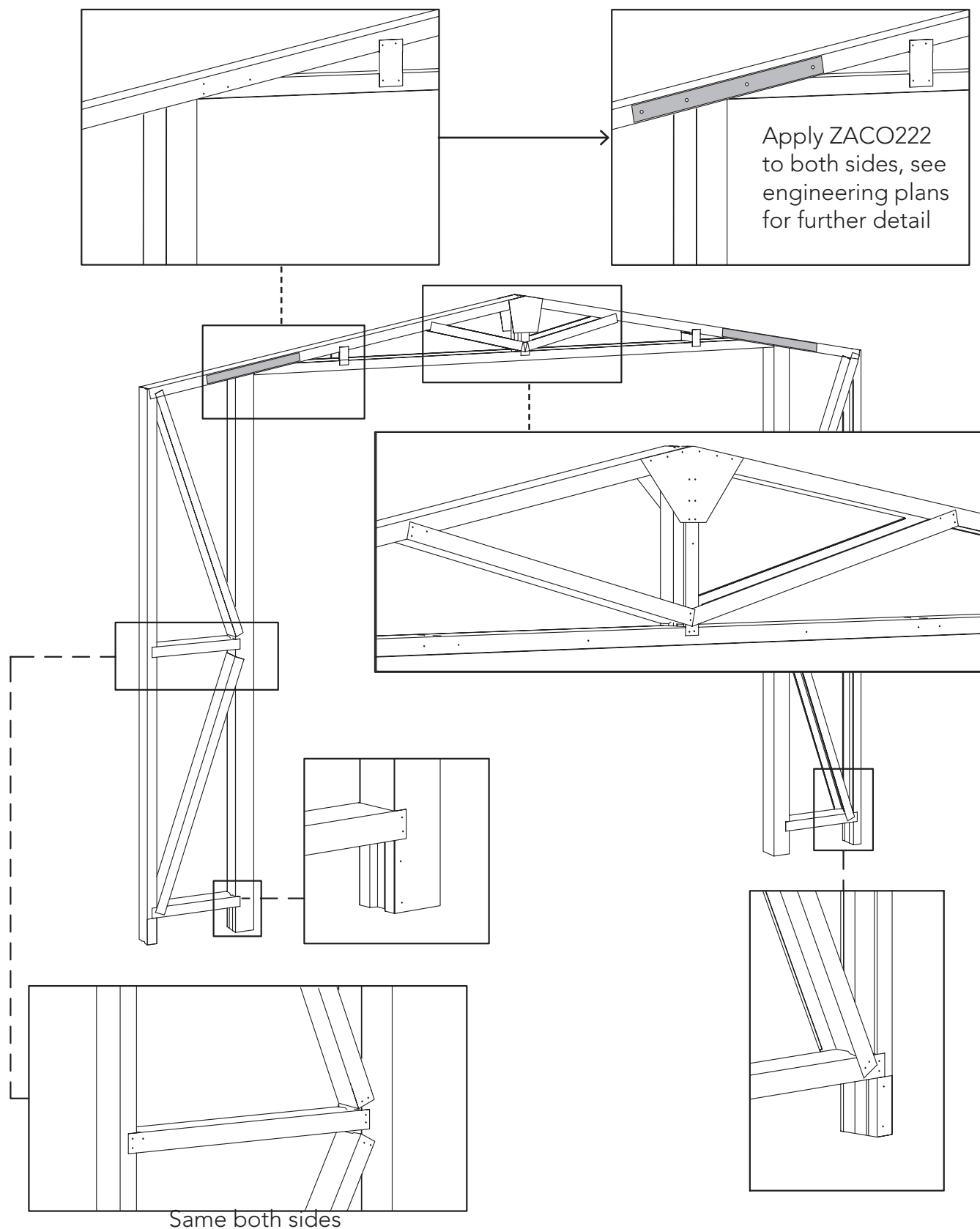


- Lay the components as shown above, using the same dimensions as used for the rear frame, and fasten with screws in the same manner.
- The top chords have special lip notches to allow the insertion of other components as shown on the following page.



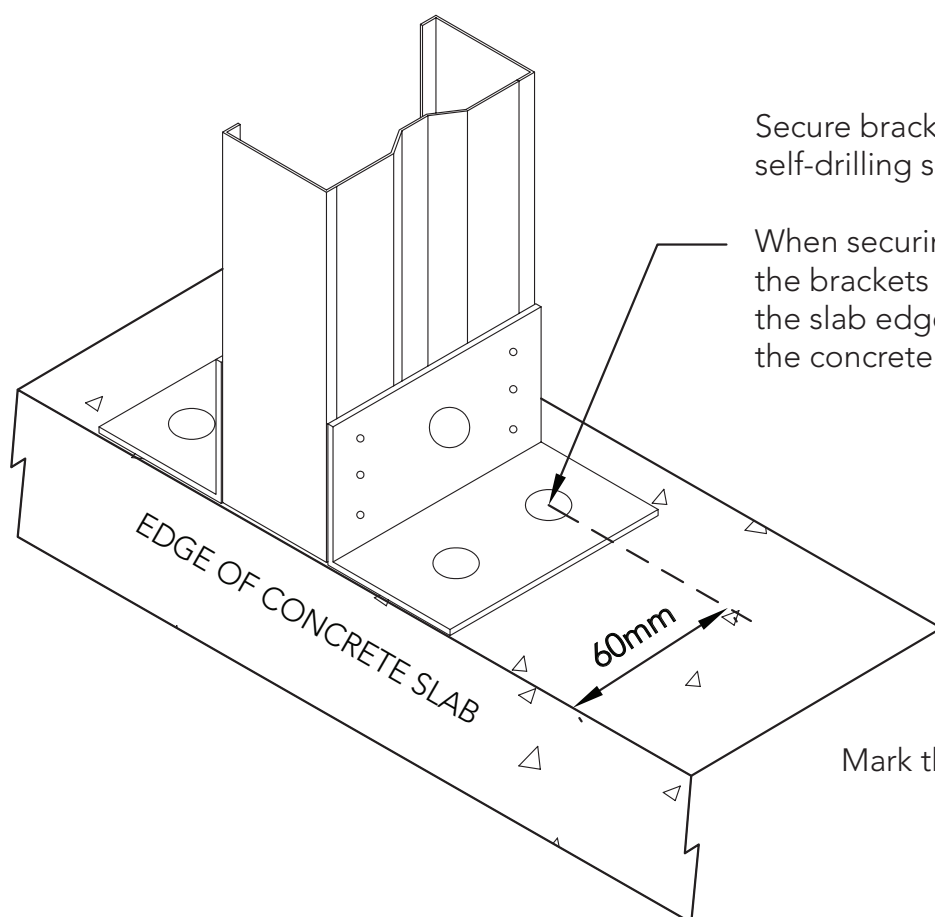
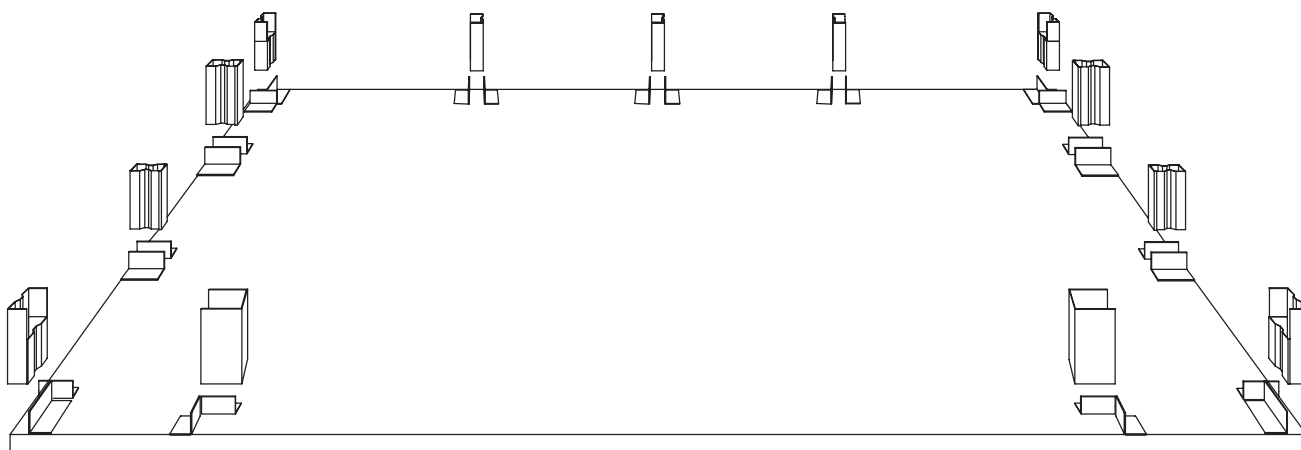
### Front Frame (continued)

- Take particular notice of the different views below to establish which way different sections fit into others, including some pieces with different notching patterns.



## Frame Configuration

Fasten the MPB Brackets to the frames as shown below, while the frames are still laying on the ground



Secure brackets to frame uprights with six self-drilling screws each.

When securing the brackets to the slab, use the brackets hole that is furthest away from the slab edge, to prevent the possibility of the concrete cracking near the slab.

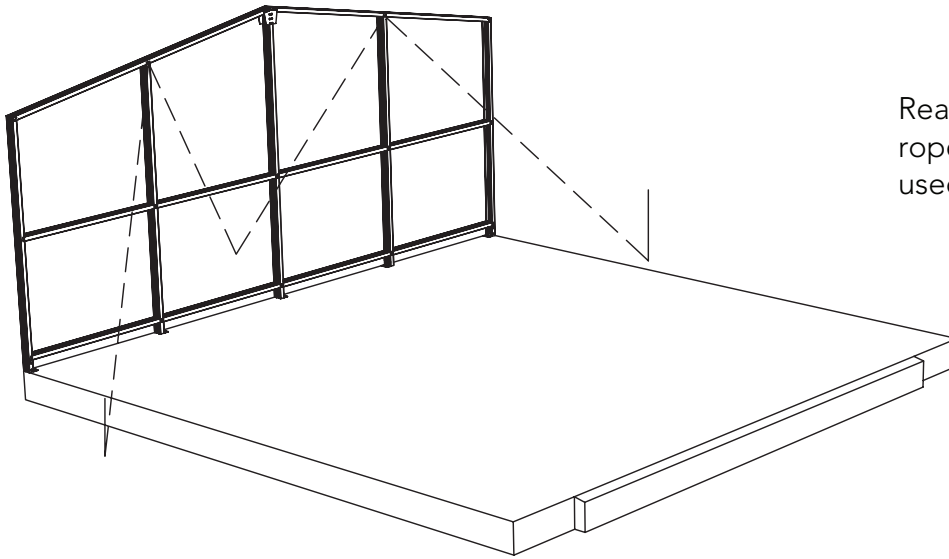
Mark the frame positions out on the slab.  
(Refer to page 6 for details)

**Note:** Accuracy is important as any misalignments will stop the side wall girts from fitting properly in later steps.

## Frame Construction

### 1. Rear Frame

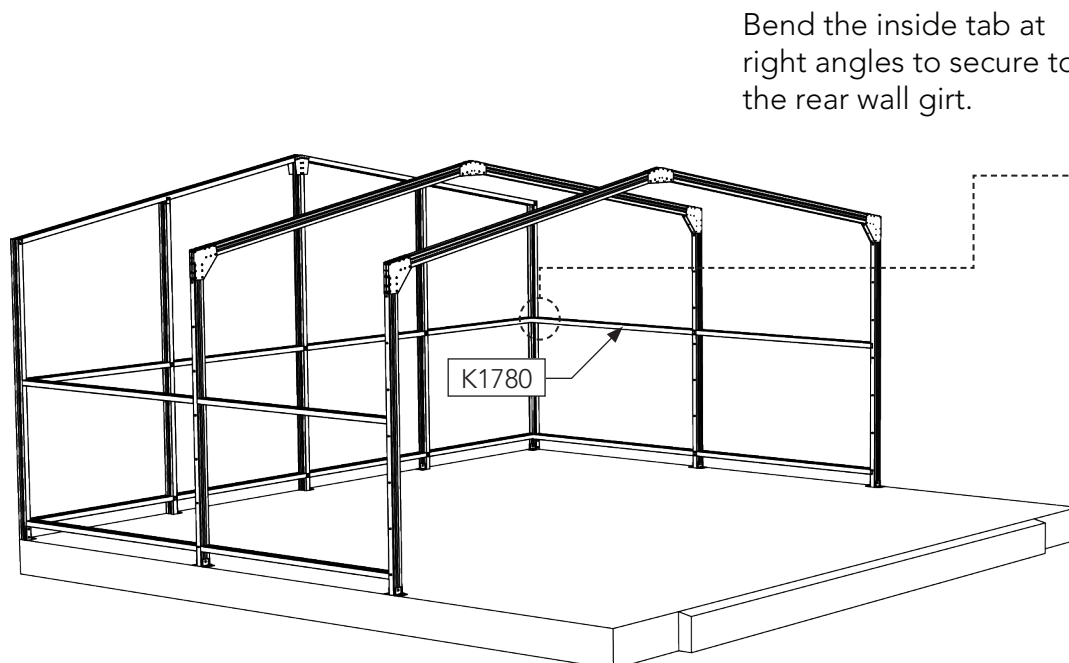
To secure each frame to the slab, move the frame to its marked position. Whilst one other person holds the frame in position. Mark the hole position of each upright, move the frame away enough to drill the slab for each anchor, move the frame back and secure in position.



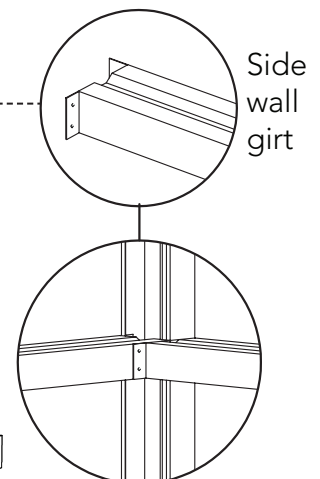
Rear frame can be supported with ropes and pegs, or roof purlins used as braces during this stage.

### 2. Center Frame Connection

Secure the first center frame to slab. Fit eight side wall girts K1780 at the same height as the rear wall girts. Secure every connection with two tek screws.



Bend the inside tab at right angles to secure to the rear wall girt.



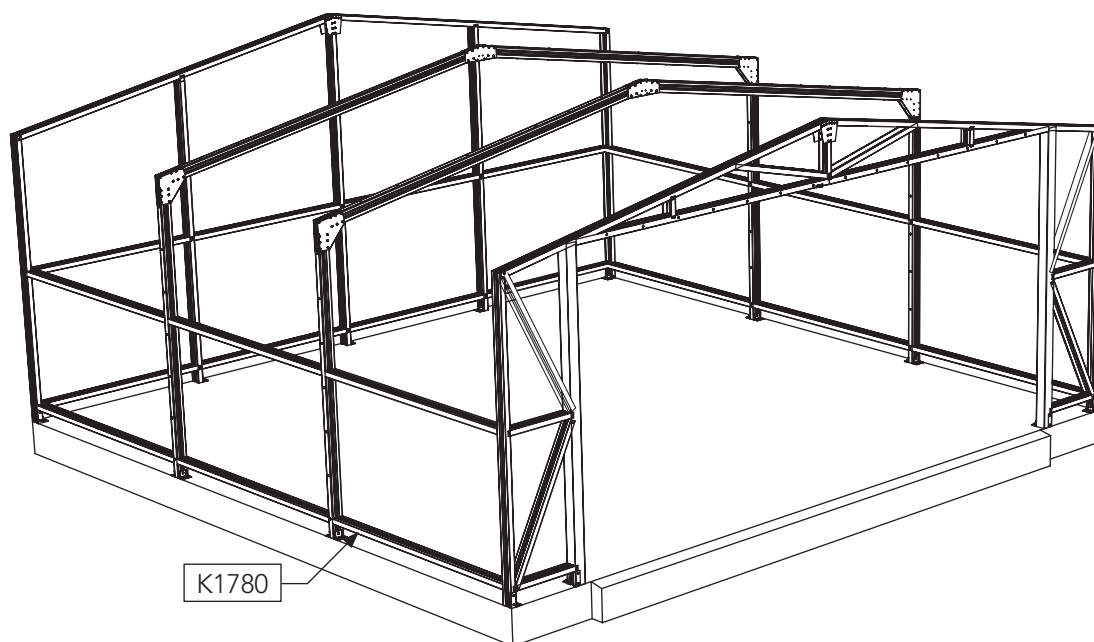
## Frame Construction

### Secure Front Frame

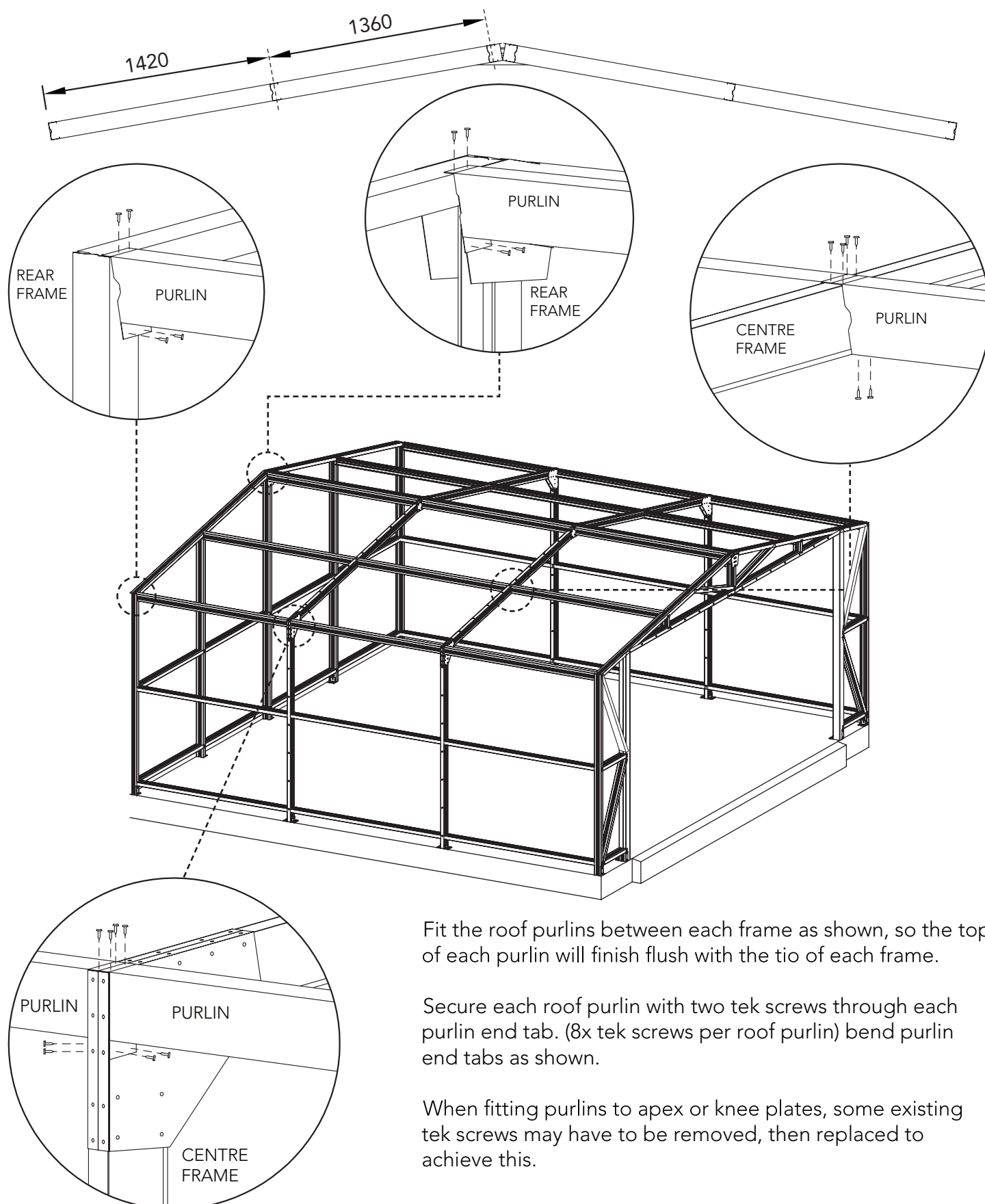
Secure the front frame and side wall girts.  
4 OFF: K1780.

Fit the sidewall girts in the same manner as the rear frame, bending the inner tab 90 degrees.

Secure every connection with two tek screws.



### Secure Roof Purlins



Fit the roof purlins between each frame as shown, so the top of each purlin will finish flush with the top of each frame.

Secure each roof purlin with two tek screws through each purlin end tab. (8x tek screws per roof purlin) bend purlin end tabs as shown.

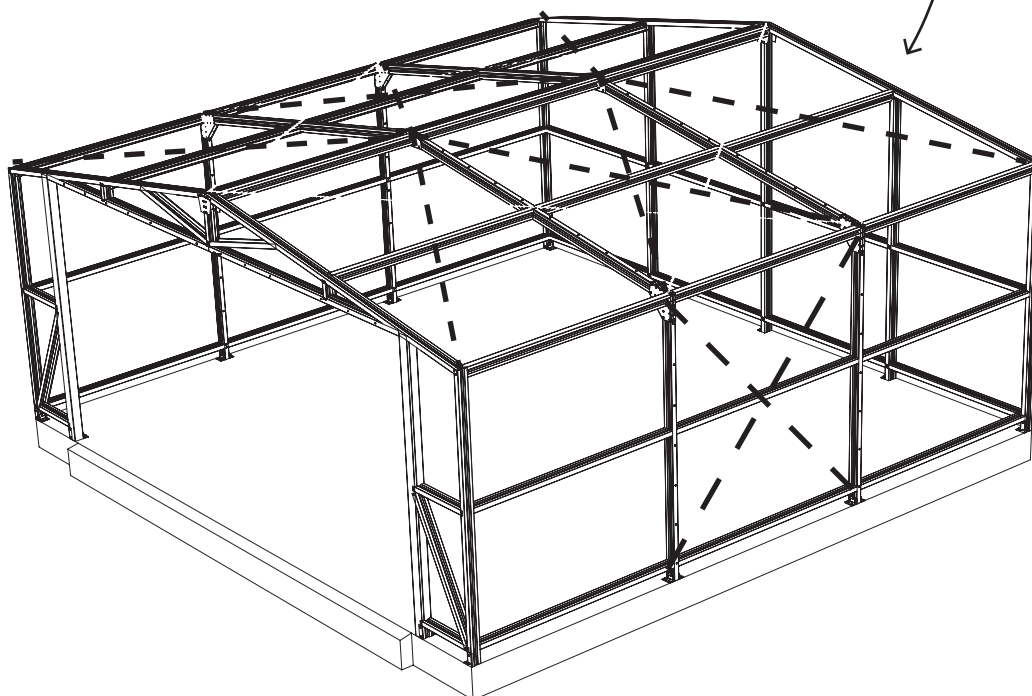
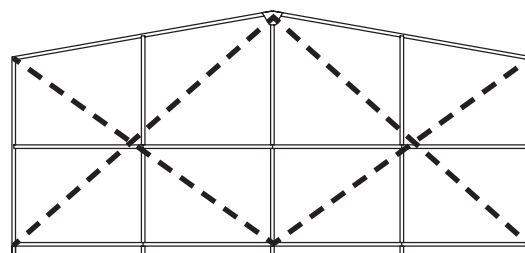
When fitting purlins to apex or knee plates, some existing tek screws may have to be removed, then replaced to achieve this.

## 2. Fit Strapping

Check the diagonal roof measurements to ensure the frame is exactly square.

Fit the strapping diagonally over the top of the frame, (refer to engineering plans), pulling and secure to each frame with wafer teks.

Repeat this procedure for the rear frame as shown.



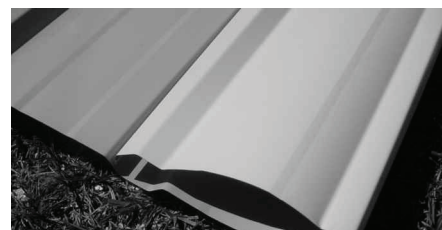
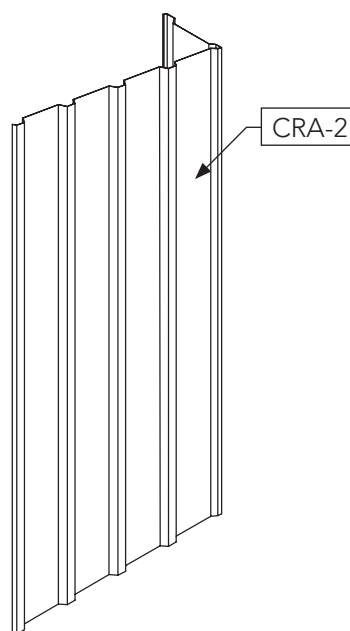
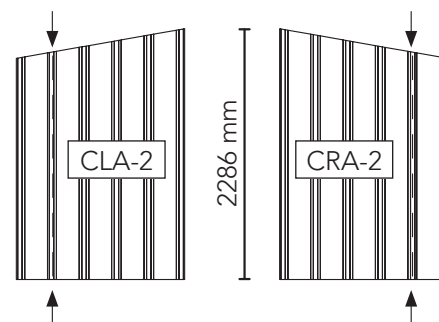
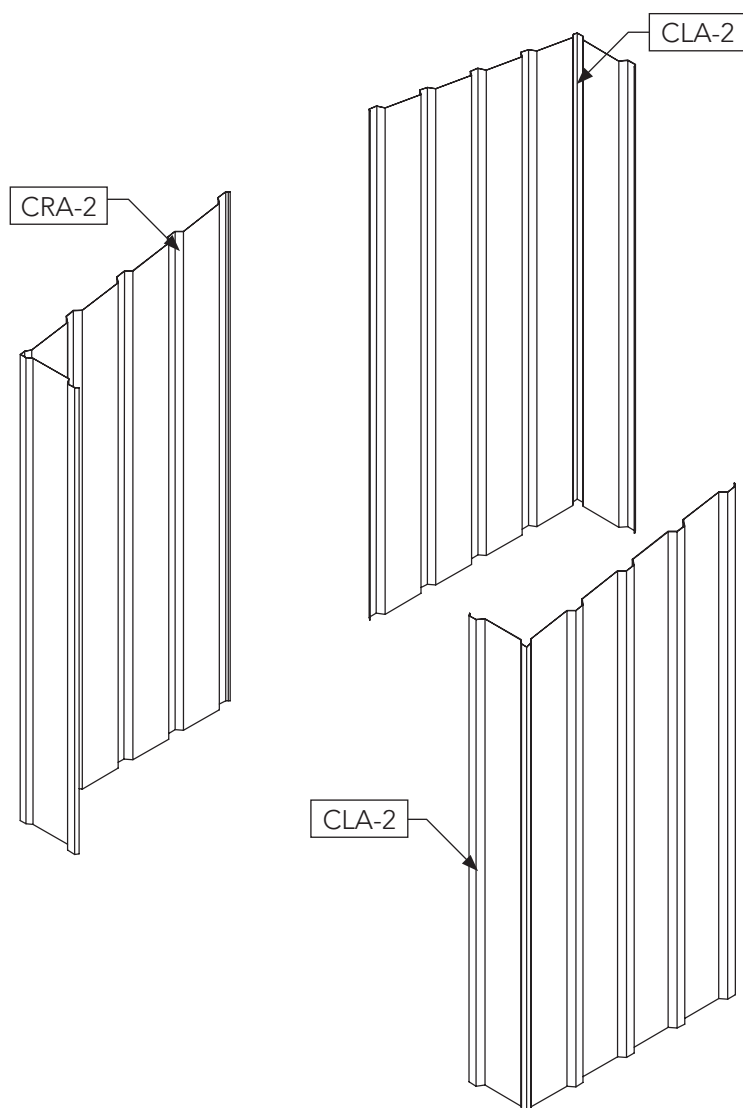
## Corner Sheets

The four corner sheets of the garage are to be folded as shown below.

See the following page to understand where the sheets are to be positioned.

Fold ONE pan sections as shown below.

There are two of each sheet.



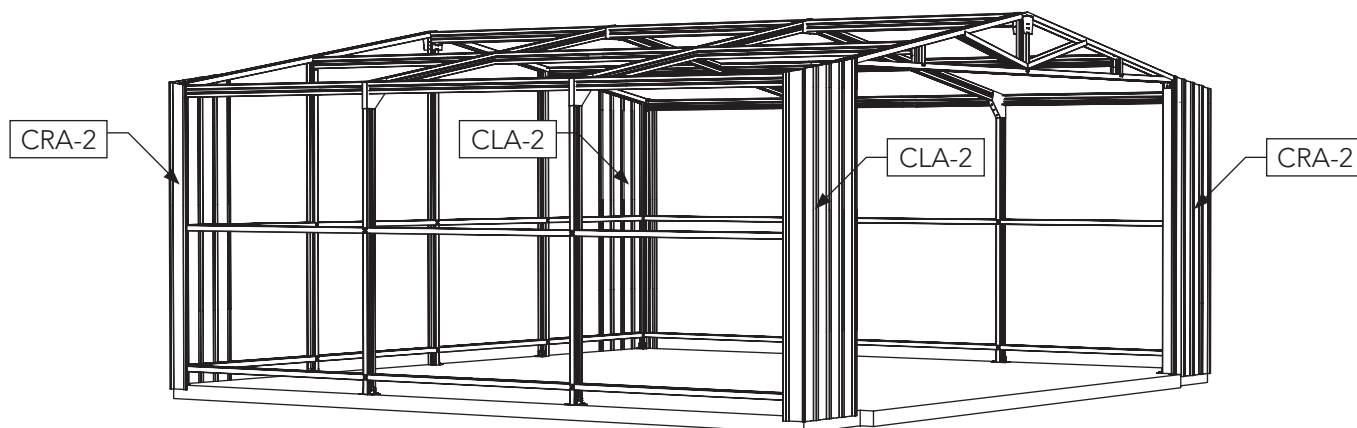
Select a soft clean surface to prepare the sheets on. Using firm but even pressure, fold one pan of each sheet as shown above. The folded section will spring back sufficiently to allow easy installation at each corner of the garage as shown on the following page.



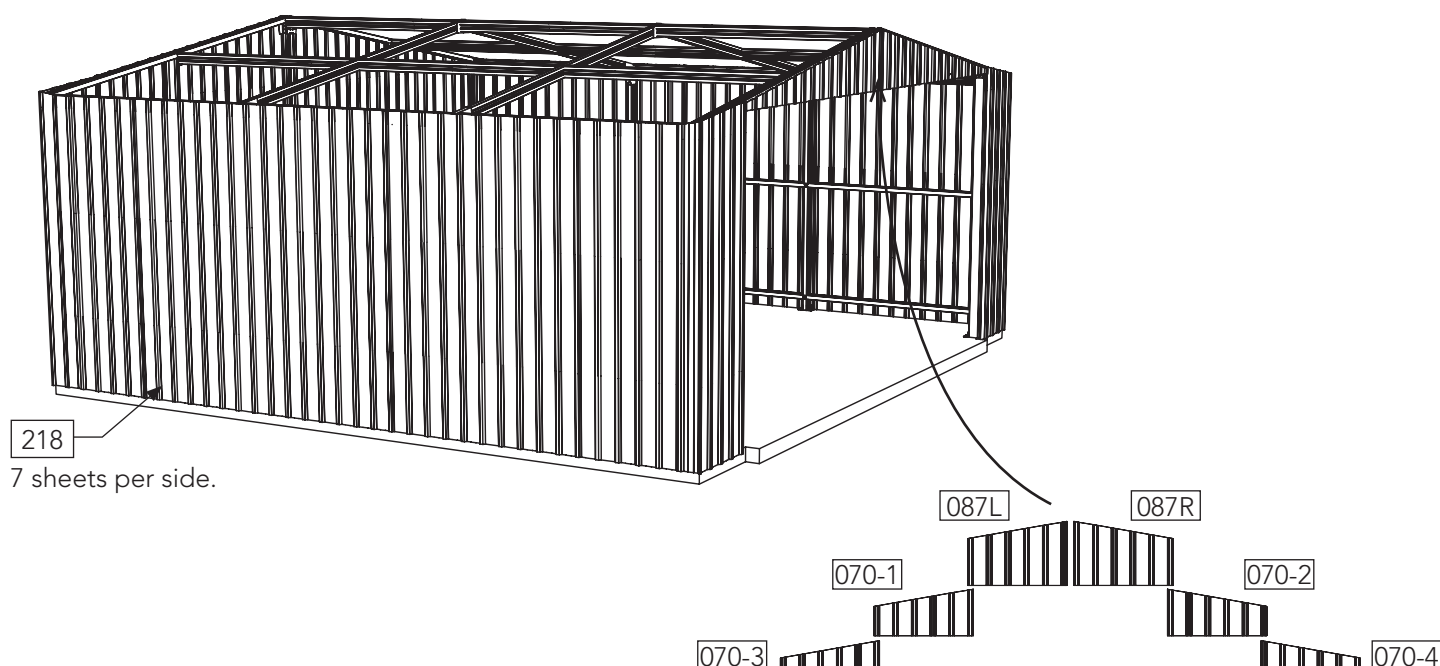
## Fit Wall Sheets

### Corner Sheets

Secure the four corner sheets in place as shown.



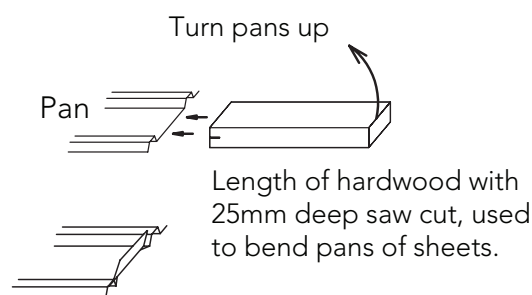
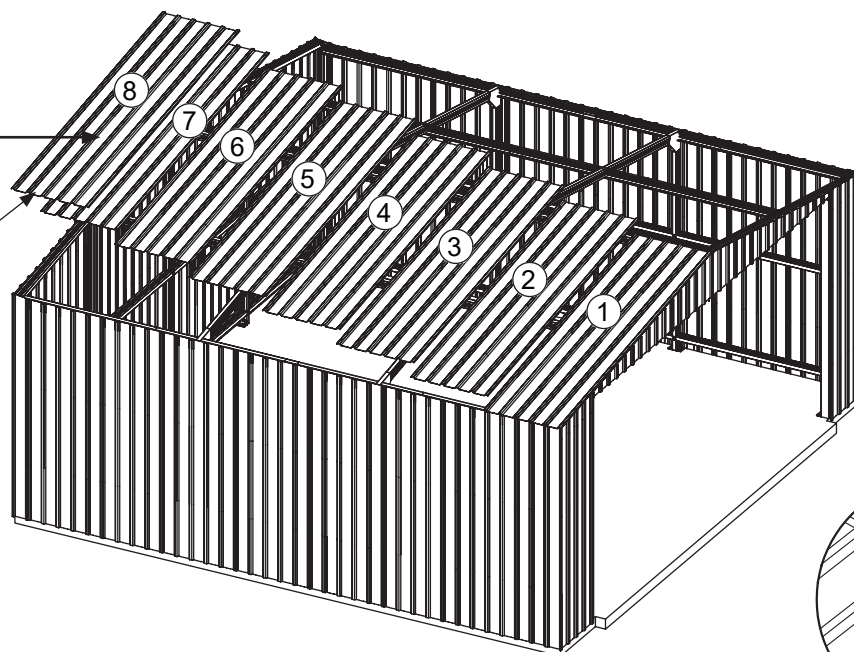
- Position each sheet flush with the top of the frame, with the bottom end overlapping the concrete slab by 30mm to form a weather tight seal.
- Each sheet is 773mm wide, with a sheet to sheet coverage of 740mm. As coverage of each sheet can vary slightly, it is important to monitor your progress. You can stretch or shrink the sheet coverage as you place each sheet to accomplish this.
- As you progress, multiply the number of sheets remaining by 740mm, which should be the same as the distance left, to the center of the outside rib of each fixed sheet.
- Use a spirit level to ensure the sheets are vertical.
- Use tek screws in every second pan, fastening sheets to top and bottom girts and edge roof purlins. Use a string line to give a straight line across the wall where the framing is. This will mean your screws are nice and straight along the wall.
- Fasten sheets to all frame uprights at 300mm centers.



### Roof Sheets Fitting

Overlap last sheet by  
three pans

286  
8 sheets per side.



Roof sheets to finish flush  
with front and rear wall  
sheets

- Lay the roof sheets on the ground in the same configuration as shown. This will prevent rainwater entry during windy conditions.
- Fit the roof sheets in the same manner as the wall sheets. Each sheet should be in line with the side wall sheets, and overhang 30mm to allow rainwater to flow into gutters.
- Working from inside the garage using a ladder or safety platform, secure each sheet as shown, with the first sheet flush with the front gable sheets.
- Use one screw with neo washer at every pan to ridge and outer purlins. Use one screw with neo washer at every second pan on the center purlin.
- Repeat the above procedures for the other side of the roof.

### Fit Ridge Capping

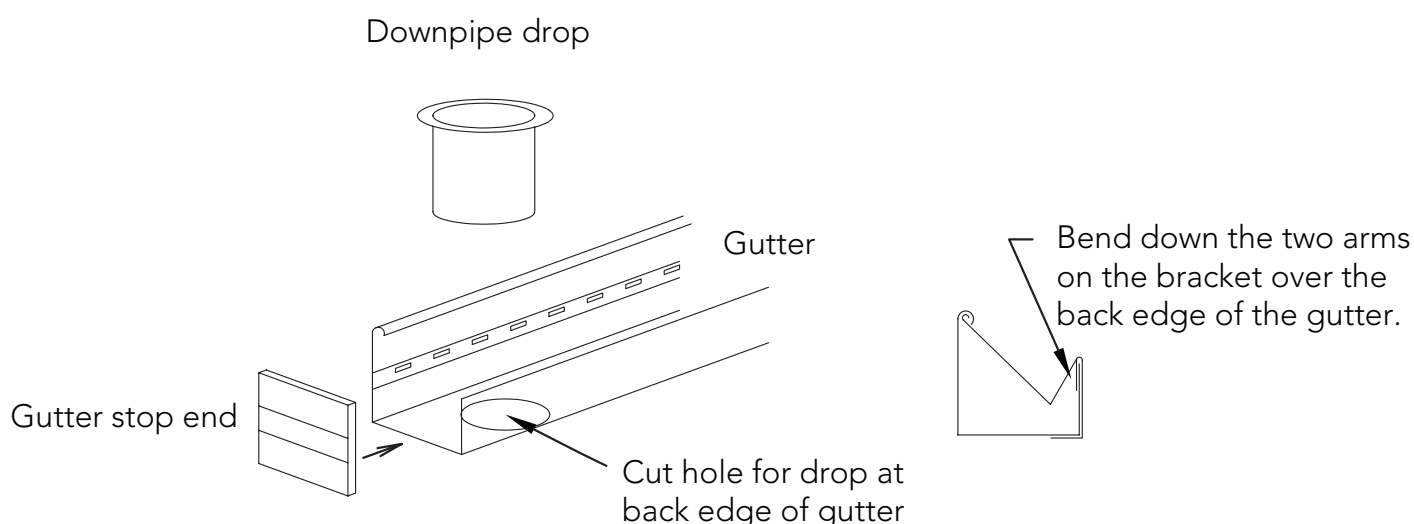
- Working from the garage towards the center, lay the ridge capping on the ridge of the roof sheets, overlapping sections to attain the required length. Secure to every second rib of the roof sheeting with screws and neo washers.

Note: Avoid walking on the roof so the sheeting does not get damaged. If it is necessary, walk only on the sheet pans at ridge purlin locations, after all sheets have been fully fastened to the framework.

To avoid damage or injury, wear a safety harness and move along the ridge on your hands and knees.

## Fit Gutter And Downpipe

- Join lengths of gutter to match the length of the garage by notching the rolled edge of one to allow the other to slide into it. Put silicone in the joint then use rivets to fasten the sections together. Repeat this procedure for the other side.
- Mark the holes to be cut to accept the downpipe drop at the ends you select. Fix the drop with silicone and rivets, then fix gutter stop ends to ends with rivets and silicone.
- Mark a line 110mm down from the top of the outer purlins at each end of the garage. Run a stringline between these marks. This line represents the bottom position of the gutter brackets, which are attached to each sheeting rib. You may wish to allow for a slight fall to the downpipe position (personal preference).
- Fix gutter onto brackets equally at both ends, push top of bracket into outer roll of gutter and bend small support arm down to retain inner face.
- Rivet brackets to gutter through the bottom of each bracket.
- Fit downpipes to drops with silicone and rivets, then secure to a rib of the wall sheeting with screws from the inside of the garage.



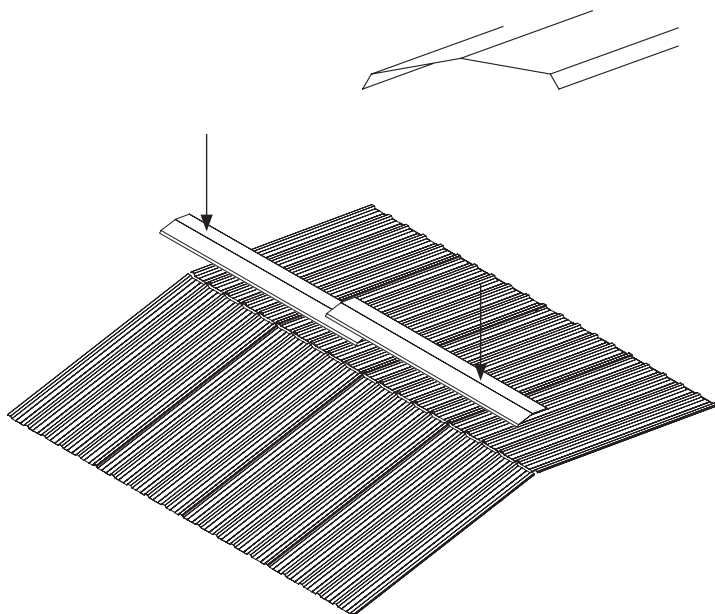
## Fitting Trim / Flashing

### Ridge Capping

2x Ridge Capping (TR08) - 3030mm Long.

Working from the garage towards the center, lay the ridge capping on the ridge of the roof sheets, overlapping sections to suit the length. Secure to every second rib of the roof sheeting with screws and neo washers.

Note: Avoid walking on the roof so the sheeting does not get damaged. If it is necessary, walk only on the sheet pans at ridge purlin locations, after all sheets have been fully fastened to the framework. To further avoid damage or injury, wear a safety harness and move along the ridge on your hands and knees.



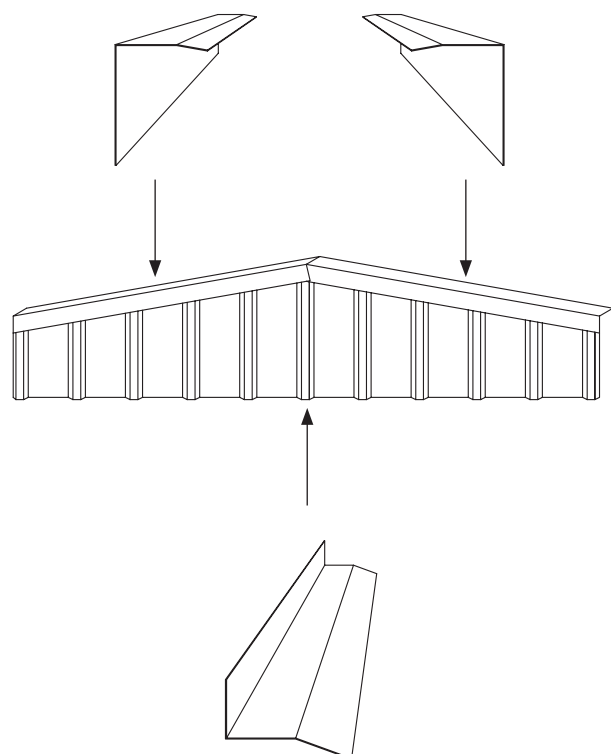
### Barge Flashing

4x Barge flashing (TR34) - 3030mm Long.

Trim to required length.

Fit to the front and rear gables fixing through the roof at purlin locations.

Fix to gutter stop ends at both sides.



### Door Trim

1x Fit door flashing (TR21) - 3030mm Long.

Trim to required length.

Fit between the front wall gable sheeting and the header beam.

Fix with hex head tek screws.

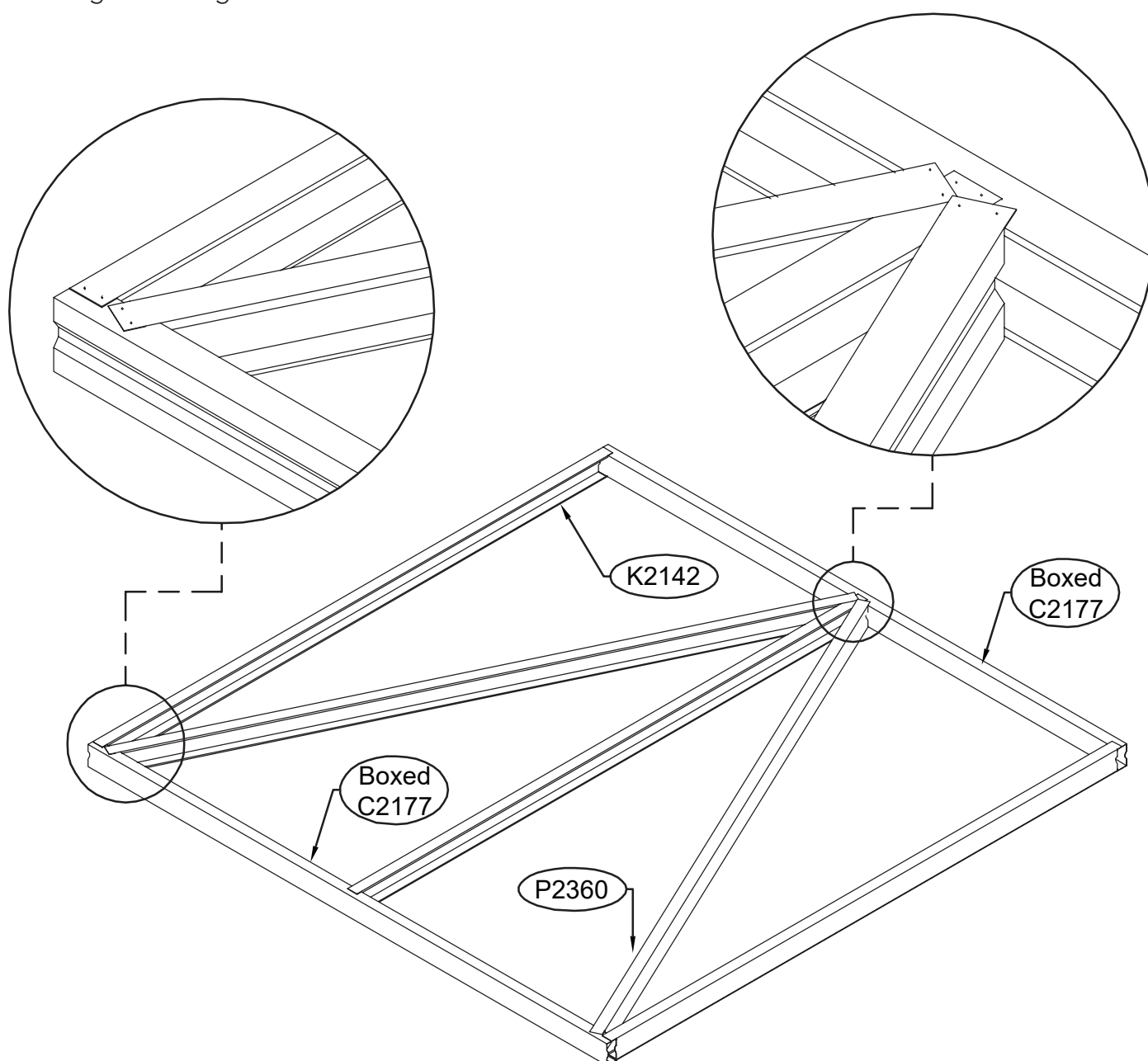
## Barn Door Assembly

Parts required per door:

4x C2177 80 x 40 Channel  
3x K2142 80 x 40 Channel  
2x P2360 80 x 40 Channel  
2x 2175mm x 773mm Sheets  
2x 2175mm x 695mm Sheets  
1x 'L' Angle Flashing

Accessories (Both doors)

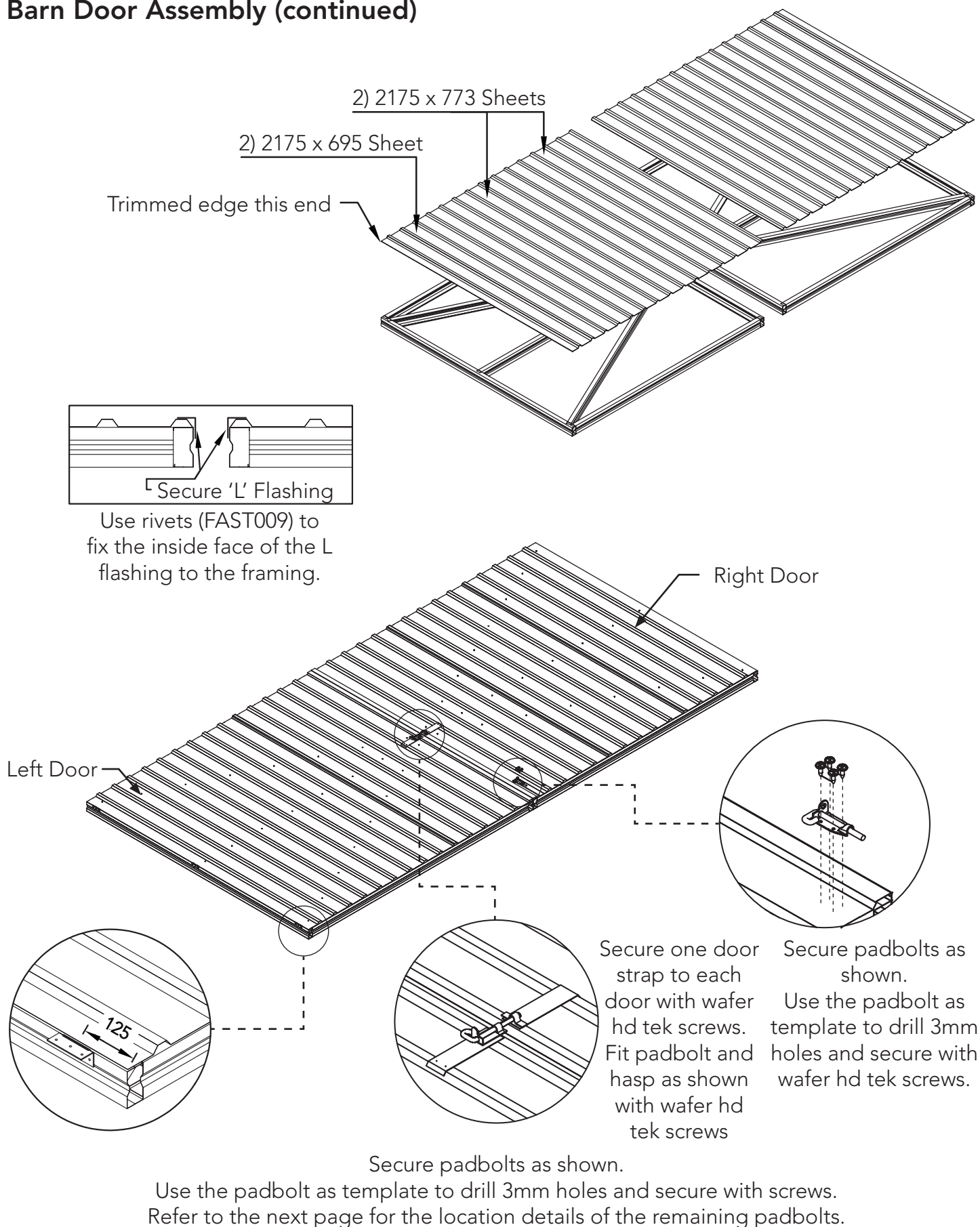
2x Six hole door strap  
6x 84mm Butt hinges  
5x Padbolts & hasps



## Finished Size: 2182mm Wide x 2177mm High

- Secure the front frame and side wall girts in place. Fit the sidewall girts in the same manner as the rear frame. Secure every connection with two tek screws.
- Fasten all sections together with a minimum of two self drilling screws at every connection.

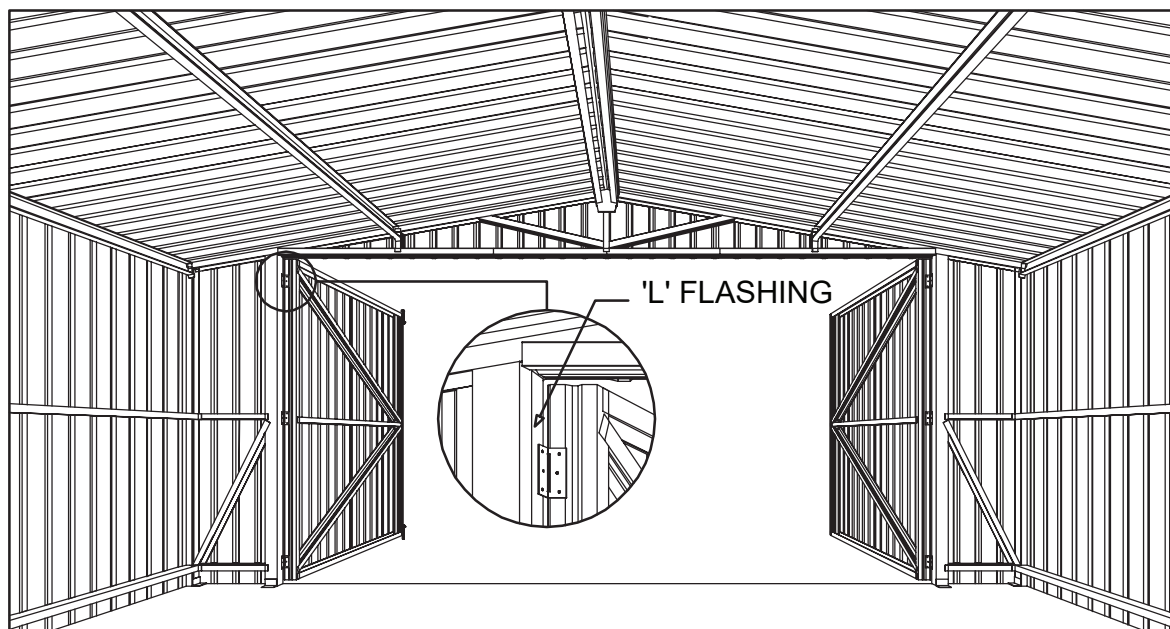
## Barn Door Assembly (continued)



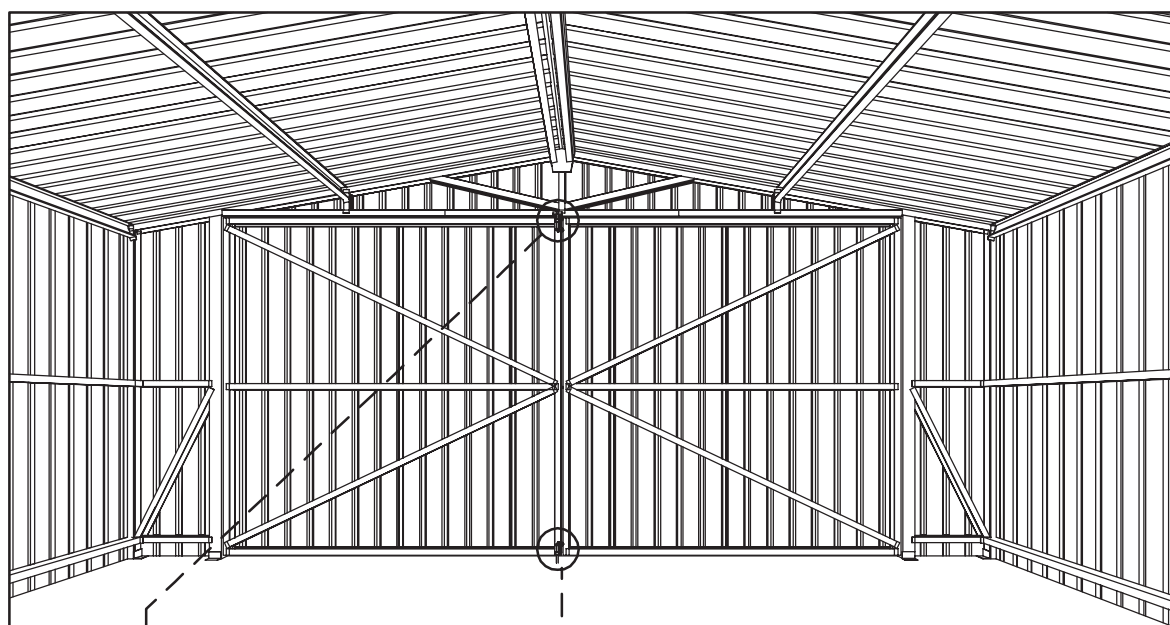


## Barn Door Installation

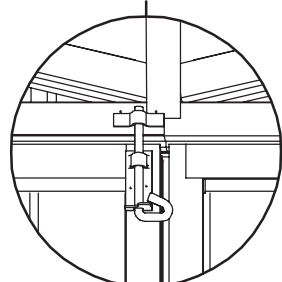
View from inside looking out



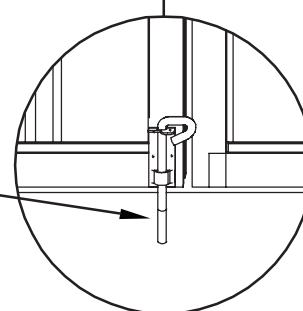
Before hanging doors, fit one 'L' flashing to each door mullion and wall sheet with rivets to neatly trim these edges. Secure hinges to door mullions with screws as shown.



Secure both padbolts with screws as shown.



Drill a 12mm hole, 35mm deep  
in the concrete to ensure the  
padbolt shaft into.



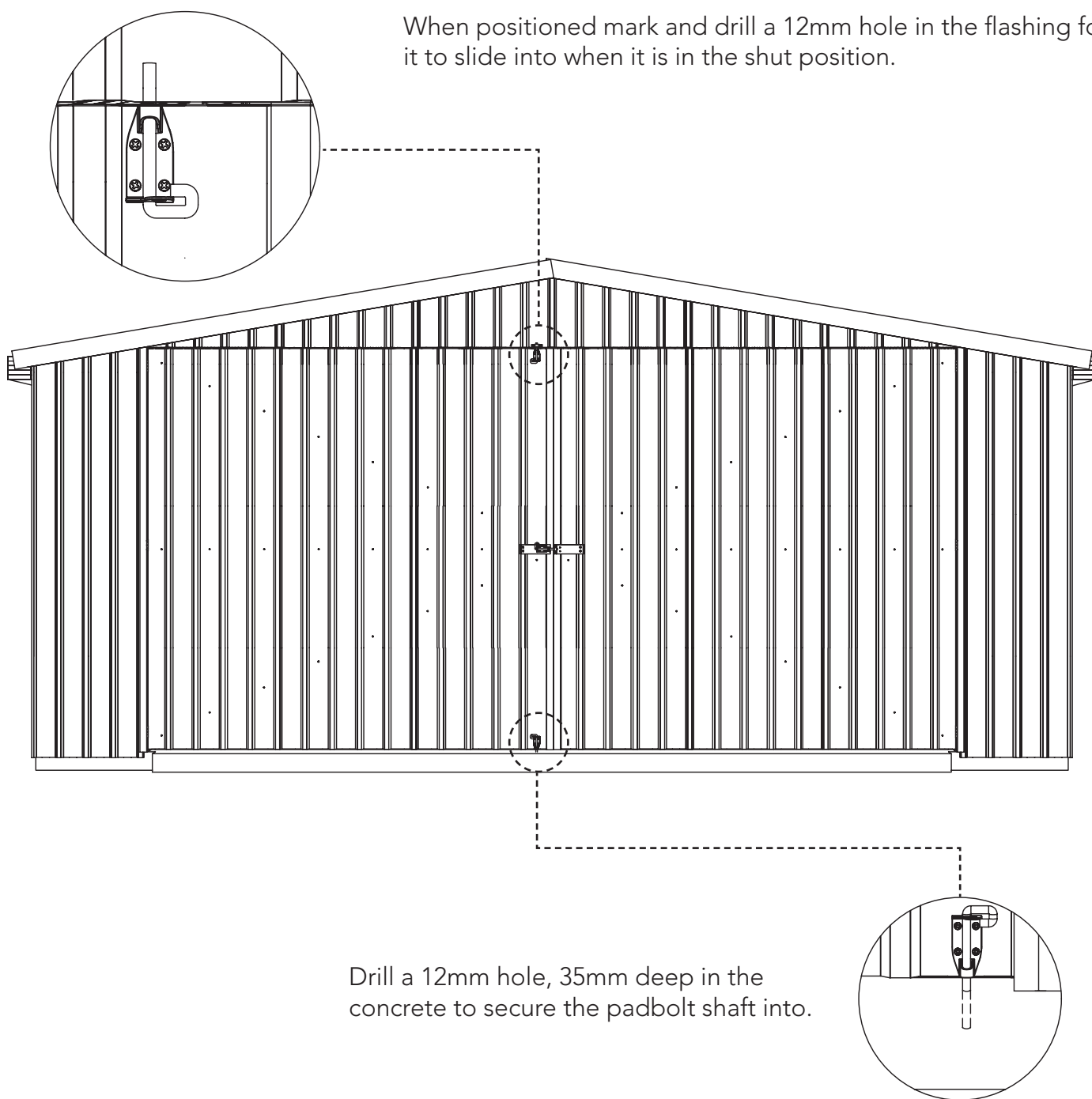


## Barn Door Installation (continued)

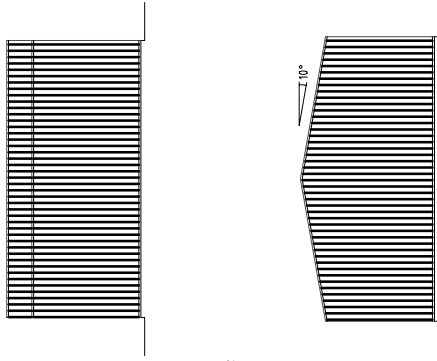
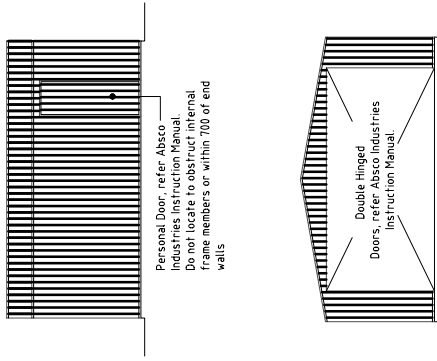
### Front View

The top padbolt for the LH door should be placed along the top edge of the door so that when it is fully extended upwards the bolt does not hit on the rib of the gable sheeting above it.

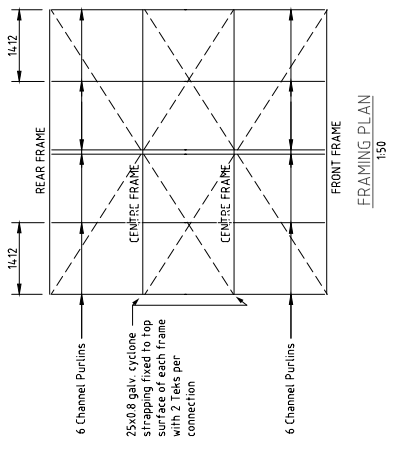
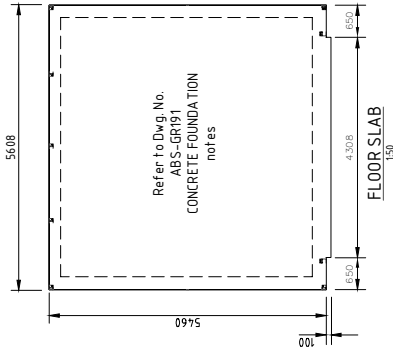
When positioned mark and drill a 12mm hole in the flashing for it to slide into when it is in the shut position.



Drill a 12mm hole, 35mm deep in the concrete to secure the padbolt shaft into.

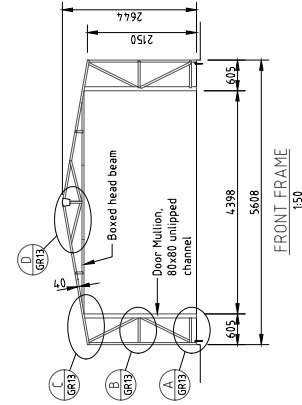


SIDE ELEVATIONS  
150

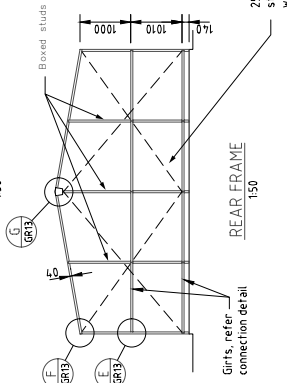


FRAMING PLAN  
150

FRONT ELEVATION  
150

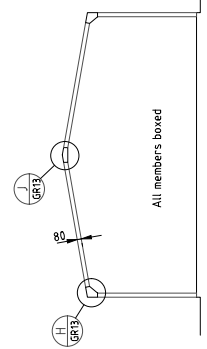


FRONT FRAME  
150

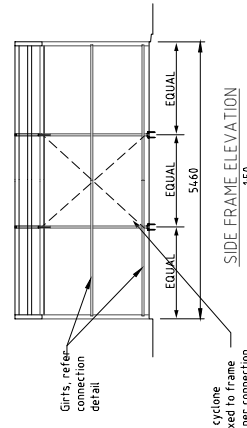


REAR FRAME  
150

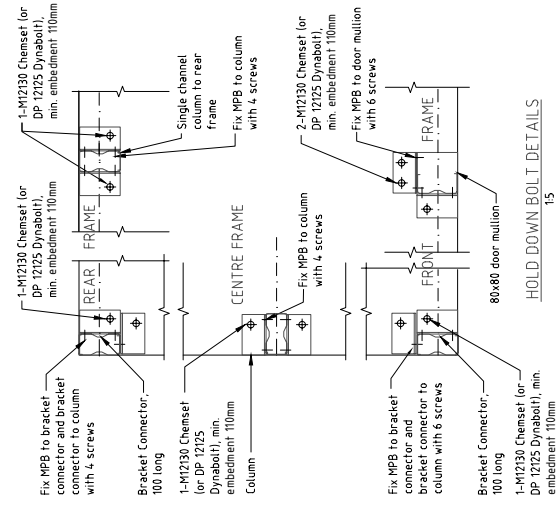
REAR ELEVATION  
150



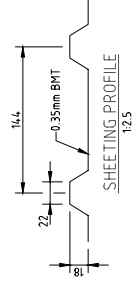
CENTRE FRAME  
150



SIDE FRAME ELEVATION  
150



HOLD DOWN BOLT DETAILS  
15



SHEETING PROFILE  
125

NOTES:  
1. All members shall be single 80x40 lipped channels unless shown otherwise.  
2. Refer to Dwg. No. ABS-GR191 for Construction Notes.

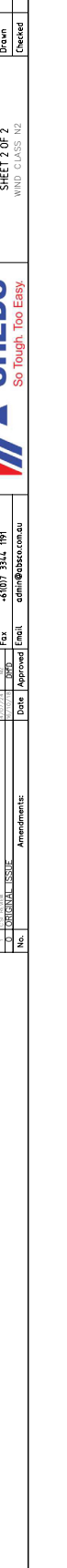
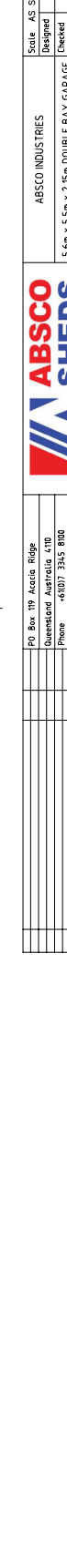
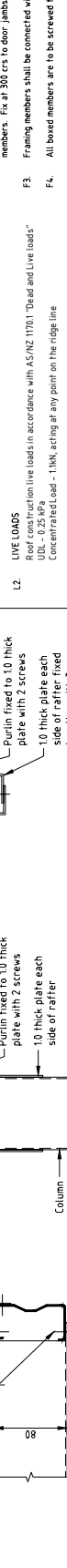
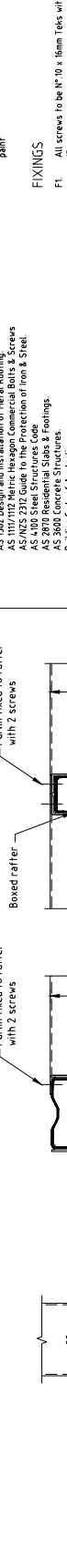
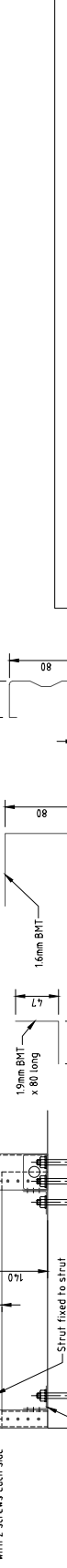
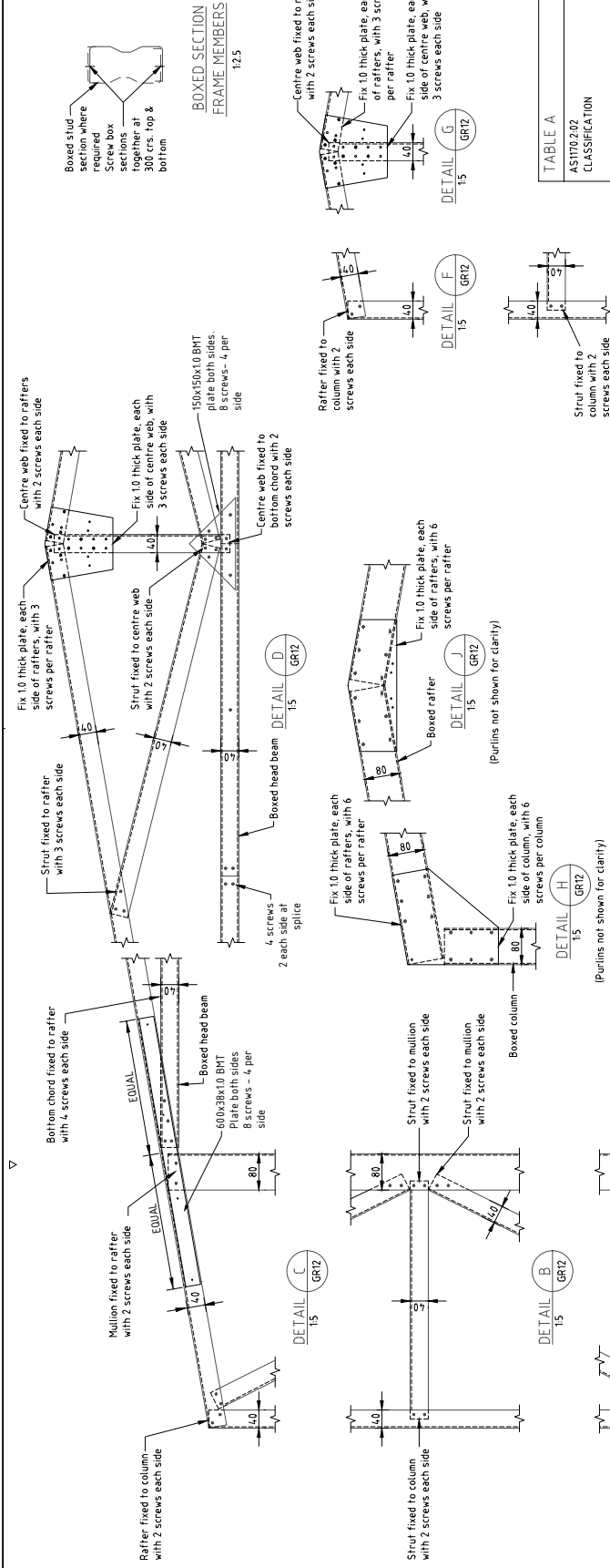
SCALE BEFORE REDUCTION

25	0	25	50	75	100	125mm
50	0	50	100	150	200	250mm
100	0	100	200	300	400	500mm
500	0	500	1000	1500	2000	2500mm

ABS CO INDUSTRIES		Scale	AS SHOWN	Drawing No.	Rev.
5.6m x 5.5m x 2.15m DOUBLE BAY GARAGE		Designed	1	ABS-GR181	0
SHEET 1 OF 2		Checked	ZM		1
WIND CLASS NZ		Drawn	SC		1
		Checked	ZM		
		Tech Approved			

PO Box 119 Atteridgeville		Date	Approved	Enail	admin@absco.com.au
Queensland Australia 4110					
Phone +6107 3345 8000					
Fax +6107 3344 1791					
0 ORIGINAL ISSUE					
No.	Amendments:				

▽



BOXED SECTION  
FRAME MEMBERS

12.5

DETAIL F  
15 GR12

DETAIL E  
15 GR12

Group	Ultimate Design Wind Pressure (Pu)	Ultimate Design Wind Speed (Ust) B1	Non-Cyclonic Regions A
1	0.84 kPa	41 m/s	N2

TABLE A

EQUIVALENT AS 4055  
CLASSIFICATION

AS1170.2-02  
CLASSIFICATION

## GENERAL

- Construction shall be in accordance with Absco Industries Instruction Manual. During construction the structure shall be maintained in a stable condition and no part shall be overloaded.
- These drawings shall not be scaled for dimensions.
- Applicable S.A.A. Codes & Standards:
  - AS 1170 Parts 1 & 2 Loading Code
  - AS 4055 Wind Loads for Housing
  - AS/NZS 4600 Cold Formed Steel Structures Code
  - AS 1170.1 Metric Haugan Commercial Bolts & Screws
  - AS/NZS 2332 Guide to the Protection of Iron & Steel
  - AS 400 Steel Structures Code
  - AS 2601 Residential Slabs & Footings
  - AS 2601 Steel Decking
  - Building Code of Australia

## LOADINGS

- WIND LOADS  
These structures are classified as Class 10a of importance level 1.
- LIVE LOADS  
Load of 0.25 kPa live loads in accordance with AS/NZ 1170.1 "Dead and Live Load"  
Concentrated Load - 1.1kN, acting at any point on the ridge line

## CONCRETE AND FOUNDATIONS

- Foundations and slabs to be designed by a structural engineer in accordance with AS 2870 & AS 1170.1 to satisfy shed loads and baseplate connection/fix down details.

## STEELWORK

- All 80x40 channel sections and ridge purlins shall be Grade G550, A2750 material with Base Metal Thickness (B.M.T.) = 0.80mm unless noted otherwise.
- Roof, wall and door sheeting to be Grade G550 A2750 Zincalume Hi-Ten with a B.M.T. = 0.30mm (Minimum).
- Brackets and cleats etc. shall be Grade G550, A2750 material unless noted otherwise.
- Provide suitable corrosion protection to all ungalvanised components, e.g. zinc rich paint.

All screws to be N° 10 x 16mm Tels with minimum edge distance of 10mm and pitch of 150mm max.

## FIXINGS

- Sheeting to be fixed as follows:
  - a) Roof sheeting - 1 screw at every pan (ie 144 c/s) and at 150mm max c/s along eaves line.
  - b) Wall sheeting - Fix at eaves line and front frame head beam with 1 screw at every pan (ie 144 c/s).
  - c) Fix at every second pan (ie 288 c/s) to all other horizontal members.
  - d) Fix at 300 c/s to door jambs and rear frame uprights.
- Framing members shall be connected with 2 screws per flange u.n.o.
- All boxed members are to be screwed through flanges at 300 max. c/s.

Rev	Description	Scale	AS SHOWN	Designed	Checked	Drawn	Tech	Approved	ZM
01	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
02	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
03	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
04	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
05	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
06	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
07	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
08	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
09	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
10	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
11	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
12	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
13	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
14	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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16	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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22	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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34	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
35	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
36	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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44	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
45	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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51	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
52	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
53	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
54	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
55	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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65	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
66	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
67	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
68	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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71	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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81	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
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83	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
84	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
85	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
86	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
87	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
88	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
89	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
90	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
91	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
92	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
93	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
94	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
95	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
96	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
97	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
98	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
99	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y
100	As Issued	1:10	Y	Y	Y	Y	Y	Y	Y

## 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 joints, 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.

# 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 1km 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](mailto: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://absco sheds.com.au/warranty-details/>.