'Classic Inspire'

3m x 4.5m x 2.45m Shed Extension - Back

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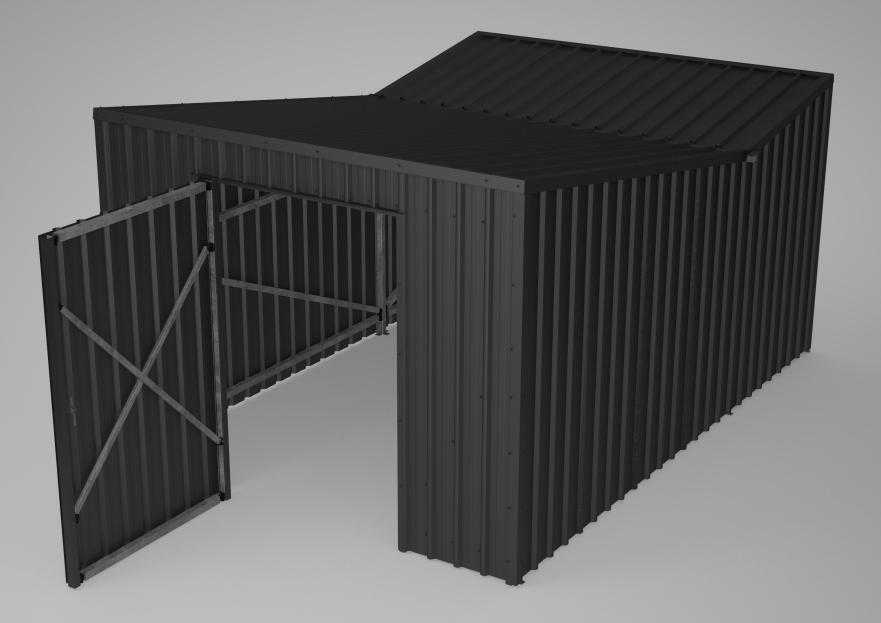
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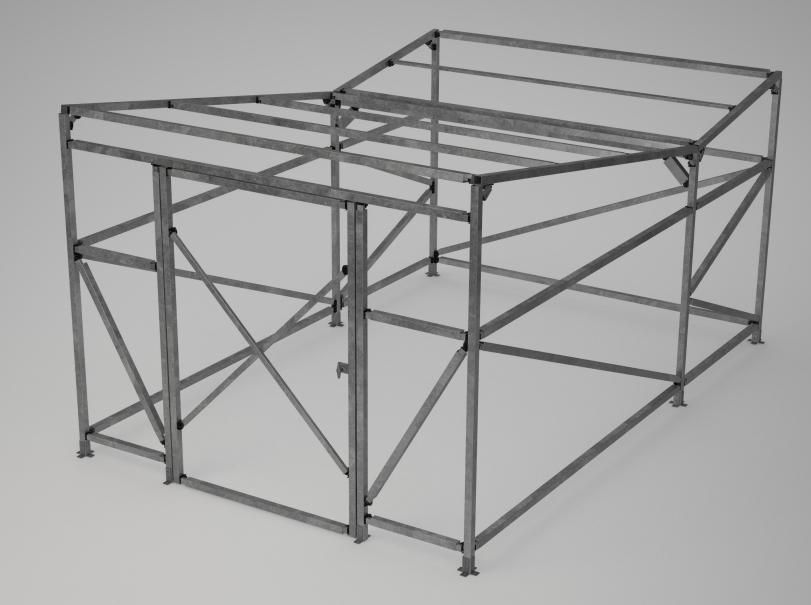
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General Arrangement

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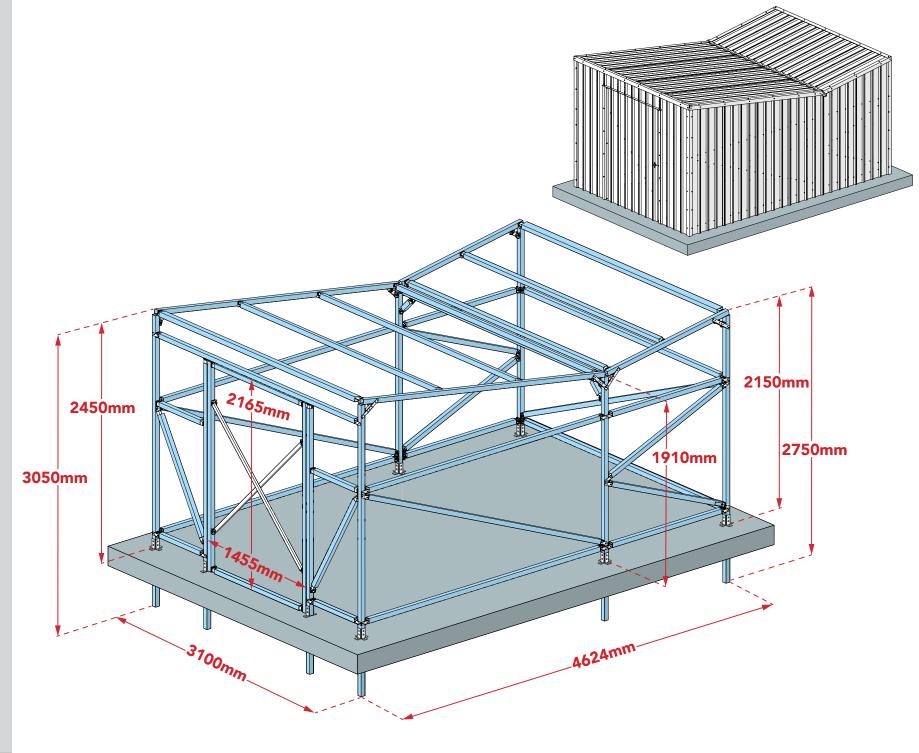
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Materials List

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ITEM	ITEM ID #	ASSEMBLY ID #	LENGTH	COLOUR	QUANTITY	RESELLER RPICE
RHS 75x50x2.0mm	0	A	2900	Galv	2	
RHS 75x50x2.0mm	2	K	179	Galv	2	
SHS 50x50x2mm	3 4		2510*	Galv	2	
SHS 50x50x1.5mm or 1.6mm	5	B	3147	Galv	3	
SHS 50x50x1.5mm or 1.6mm	6 7		3068	Galv	2	
SHS 50x50x1.5mm or 1.6mm	89		3000*	Galv	2	
(Displacement plates both ends)	10	C	2900	Galv	7	
SHS 50x50x1.5mm or 1.6mm	(11)	D	2896	Galv	6	
SHS 50x50x1.5mm or 1.6mm	12 13		2750*	Galv	2	
SHS 50x50x1.5mm or 1.6mm	14 15	B	2733*	Galv	2	
SHS 50x50x1.5mm or 1.6mm	16		2163	Galv	2	
SHS 50x50x1.5mm or 1.6mm	17 18		1537	Galv	2	
(Displacement plates both ends)	(19)	F	1490	Galv	4	
SHS 50x50x1.5mm or 1.6mm	20	G	1370	Galv	4	
SHS 50x50x1.5mm or 1.6mm	21		1255	Galv	2	
SHS 50x50x1.5mm or 1.6mm	22		1241	Galv	2	
SHS 50x50x1.5mm or 1.6mm	23	J	613	Galv	4	
RHS 38x25x1.2mm or 1.6mm	24	B	3217	Galv	3	
RHS 38x25x1.2mm or 1.6mm	25		2970	Galv	9	
(Displacement glates both ends)	26	D	2966	Galv	6	
RHS 38x25x1.2mm or 1.6mm	27		2023	Galv	2	
RHS 38x25x1.2mm or 1.6mm	28		1852	Galv	2	
RHS 38x25x1.2mm or 1.6mm	29	F	1560	Galv	4	
RHS 38x25x1.2mm or 1.6mm (Displacement plates both ends)	30	G	1440	Galv	4	
RHS 38x25x1.2mm or 1.6mm	31	Ð	1325	Galv	2	
RH\$ 38x25x1.2mm or 1.6mm	32	Û	1311	Galv	2	
RH\$ 38x25x1.2mm or 1.6mm	33	e	1000	Galv	2	
RHS 38x25x1.2mm or 1.6mm	34	J	683	Galv	4	
(Used for optional RHS 38x25x1.2mm or 1.6mm _{temporary} corner braces)	35		442	Galv	4	
RHS 38x25x1.2mm or 1.6mm	36	K	219	Galv	2	
RHS 38x25x1.2mm or 1.6mm	37		80	Galv	4	
RHS 38x25x1.2mm or 1.6mm	38		68	Galv	5	
						1

NON KWIKTECH ITEMS

*NOTE: If fixing the shed on existing concrete, reduce these member lengths by 600mm.

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KWIKTECH KITS

ІТЕМ	QUANTITY	RESELLER RPICE
Kwiktech DIY Rated Shed Kit (NOTE: Some items will not be used)	2	

NON KWIKTECH ITEMS							
ITEM		ID #	LENGTH	COLOUR	QUANTITY	RESELLER RPICE	
TrimDek Cladding 762x29x0.42mm or 0.48mm -	Front Roof	RF 1	3090		4		
TrimDek Cladding 762x29x42mm or 0.48mm - I	Back Roof	RF 2	1550		4		
TrimDek Cladding 762x29x42mm or 0.48mm - Fr	ont Outers	CL 1	2450		2		
TrimDek Cladding 762x29x42mm or 0.48mm - Fi	ont Side 1	CL 2	2450		2		
TrimDek Cladding 762x29x42mm or 0.48mm - Fi	ont Side 2	CL 3	2325		2		
TrimDek Cladding 762x29x42mm or 0.48mm - Fi	ont Side 3	CL 4	2200		2		
TrimDek Cladding 762x29x42mm or 0.48mm - Fi	ont Side 4	CL 5	2075		2		
TrimDek Cladding 762x29x42mm or 0.48mm - E	ack Side 1	CL 6	2075	-	2		
TrimDek Cladding 762x29x42mm or 0.48mm - E	ack Side 2	CL 7	2200	-	2		
TrimDek Cladding 762x29x42mm or 0.48mm	- Back	CL 8	2200		4		
TrimDek Cladding 762x29x42mm or 0.48mm - Door		CL 9	2165	Customers Choice	2		
TrimDek Cladding 762x29x42mm or 0.48mm - Front above Door		CL 10	280		2		
Front Peak Flashing	$\overline{\qquad}$	FL 1	3170		1		
Back Peak Flashing] [FL 2	3170		1		
Front Roof Sides Flashing] [FL 3	3135		2		
Front Corners Flashing] [FL 4	2450		2		
Door Frame Housing Flashing] [FL 5	2172		2		
Door Side Flashing		FL 6	2165		2		
Back Corners Flashing	Refer to	FL 7	1950		2		
Back Roof Sides Flashing	- details -	FL 8	1590		2		
Above Door Flashing] [FL 9	1590	-	1		
Internal Door Frame Flashing	1 [FL 10	1518		1		
Internal Bracing Outer Flashing	1	FL 11	330		2		
Internal Bracing Inner Flashing] [FL 12	250	Galv	2		
Door Lock Flashing		FL 13.1 FL 13.2	40		1		

Materials List

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ITEM		ID #	LENGTH	COLOUR	QUANTITY	RESELLER RPICE	
Shed Lowpoint Gutter		G 1	3310	Galv	1		
100x100x2.5 Zinc Plated Butt Hinge			100	Galv	3		
Tee Handle Kit & Inside Latch			-	-	1		
Tek Screw 16mmx10g Coloured			16	Customers	600		
Tek Screw 53mmx12g Coloured - Neo			53	Choice	300		
M12x75 4.6 Hex head Galv Bolt & Nut	Only		75	Galv	14		
P1326H Ninety Degree Fitting HG	equired if fixing to existing		105	Galv	28		
	concrete.		100	Galv	28		
38x25 Black Plastic Post Cap			38	Black	2		

NON KWIKTECH ITEMS

Tee Handle

Minimum Tee Handle Length 75mm

Recommend using a heavy duty inner lock, such as the one pictured above.

20	
2	
Sub-Total	
GST	
Shipping	
Total Cost	

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Build Preparation







Footing Preparation

Assembly Sequence

ITEM

10G x 16 Self Drilling Wafer Head Screw

M6 x 40 Socket Head Cap Screw - Zinc

M6 x 20 Hex Head Bolt - Galv

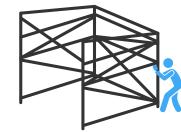
M6 Nut - Galv

Kwiktech 2mm Displacement Plate

Right Angle Bracket - Zinc

Assembly Wedge - Rubber

10G x 16 Self Drilling Small Head Flat Top Screw



REQUIRED KWIKTECH ITEMS (INCLUDED IN KIT)

QUANTITY

0

120

108

12

0

0

0

48

0

10

Extra Strong Rails

Erect & Fabricate Clad

Cladding & Flashings

QUANTITY

1200

120

0

0

24

4

2

260

Finished Product

HOLLOW METAL TOTAL

,	ITEM	TOTAL LENGTH
	Duragal 75x50x2.0mm	бm
	Duragal 50x50x2mm	5.1m
	Duragal 50x50x1.5mm	99m
	Duragal 38x25x1.2mm	87m

FOR INFORMATION ONLY

Materials List

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

User Manual

Rail Inserts

Fabricate

ITEM

Post Connector (KT-P-001)

Universal Connector (KT-P-002)

Rail Inserts (KT-P-003)

60° Rail Inserts (KT-P-004)

Star Picket Guide (KT-P-005)

Post Cap (KT-P-006)

Tension Strapping 0.8 x 30 x 85mm

Tension Strapping 0.8x 30 x 95mm

Tension Strapping 0.8 x 30 x 135mm

Tension Strapping 0.8 x 30 x 250mm

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Member Locations

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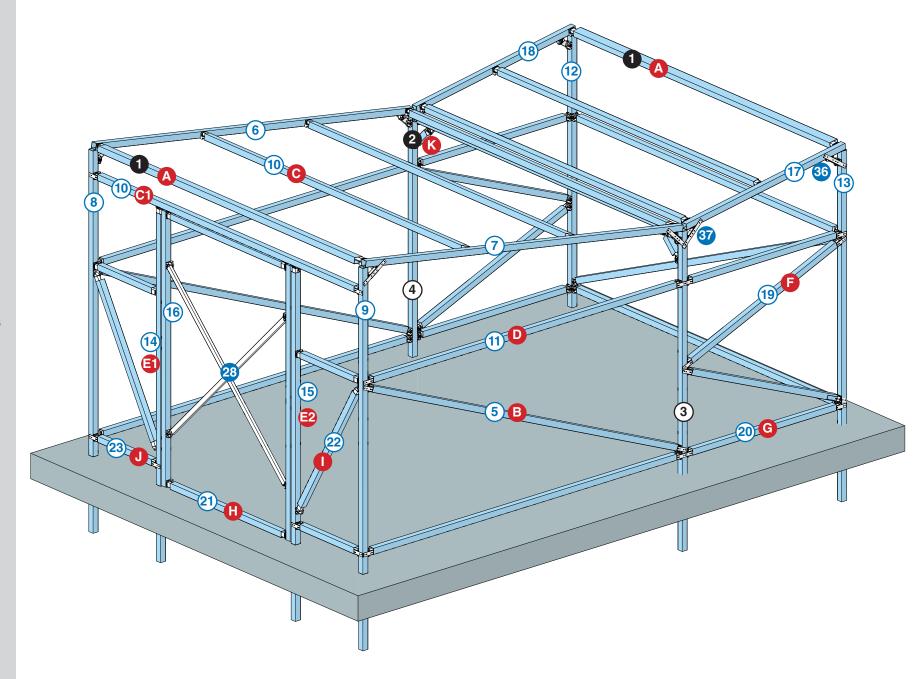
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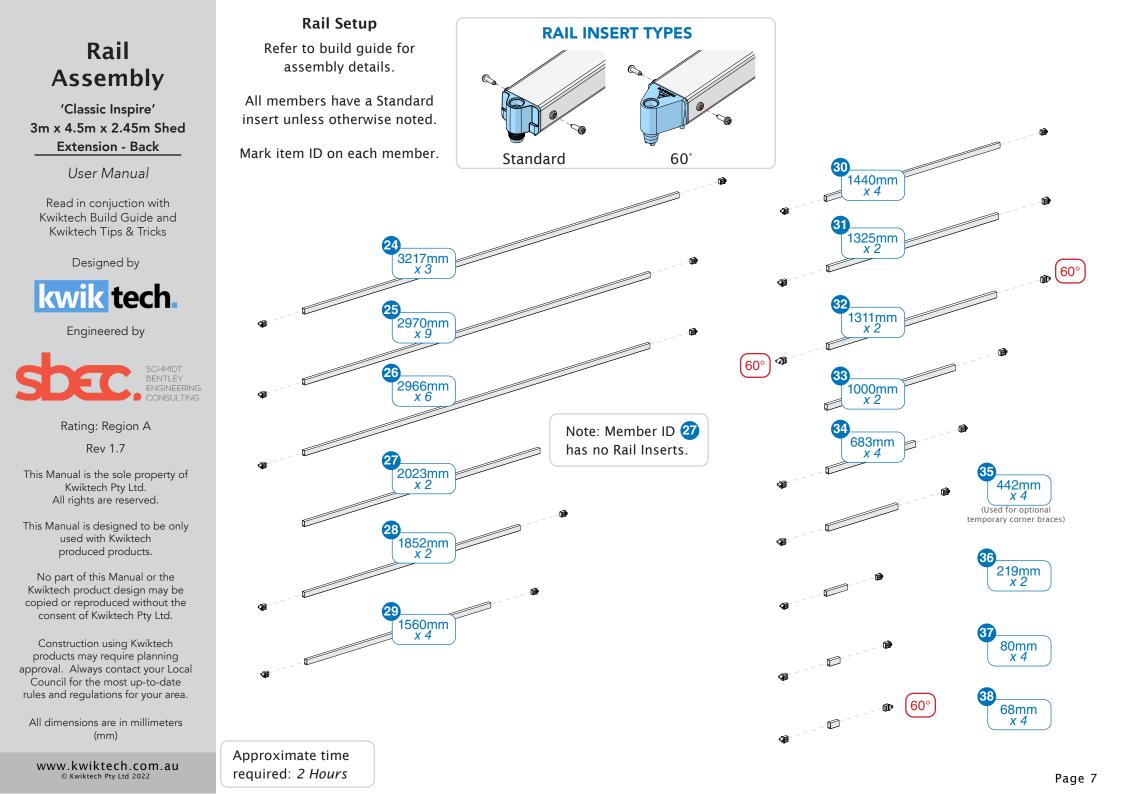
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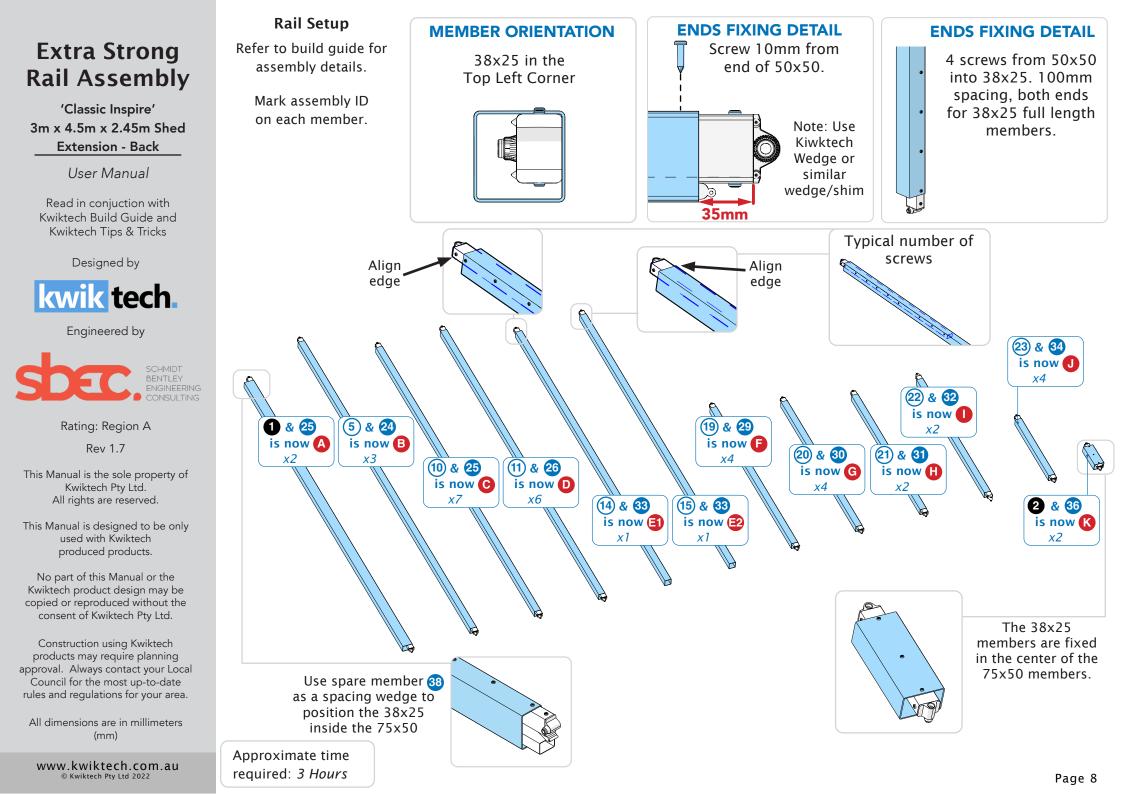
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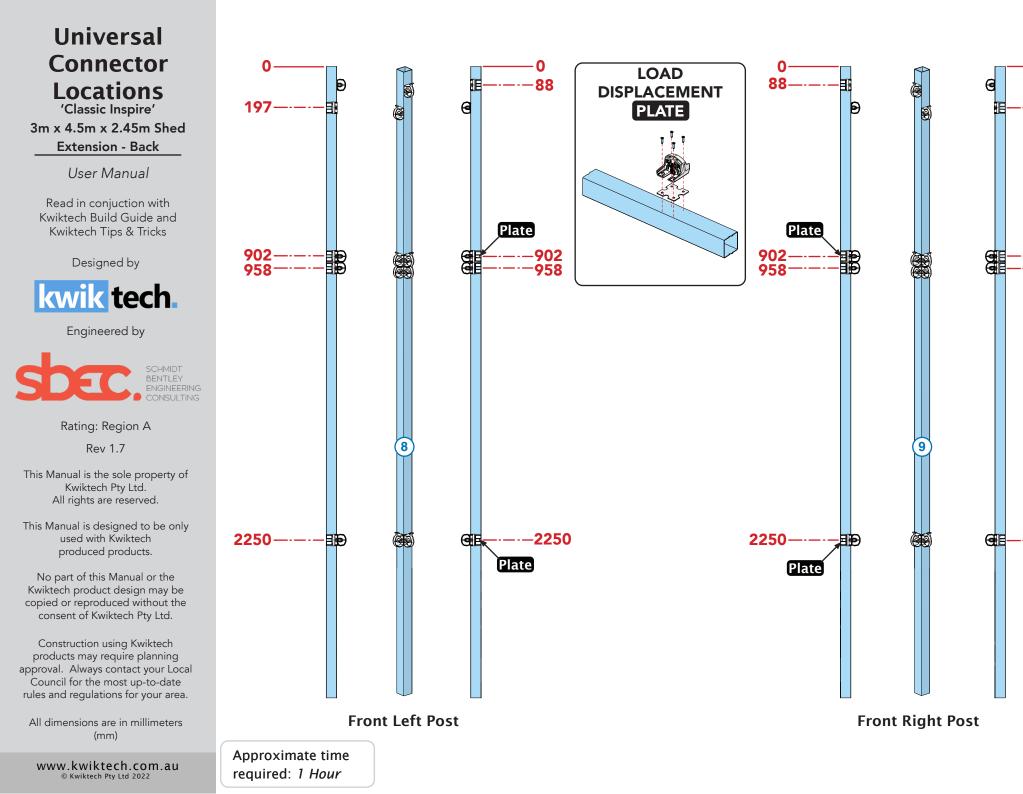
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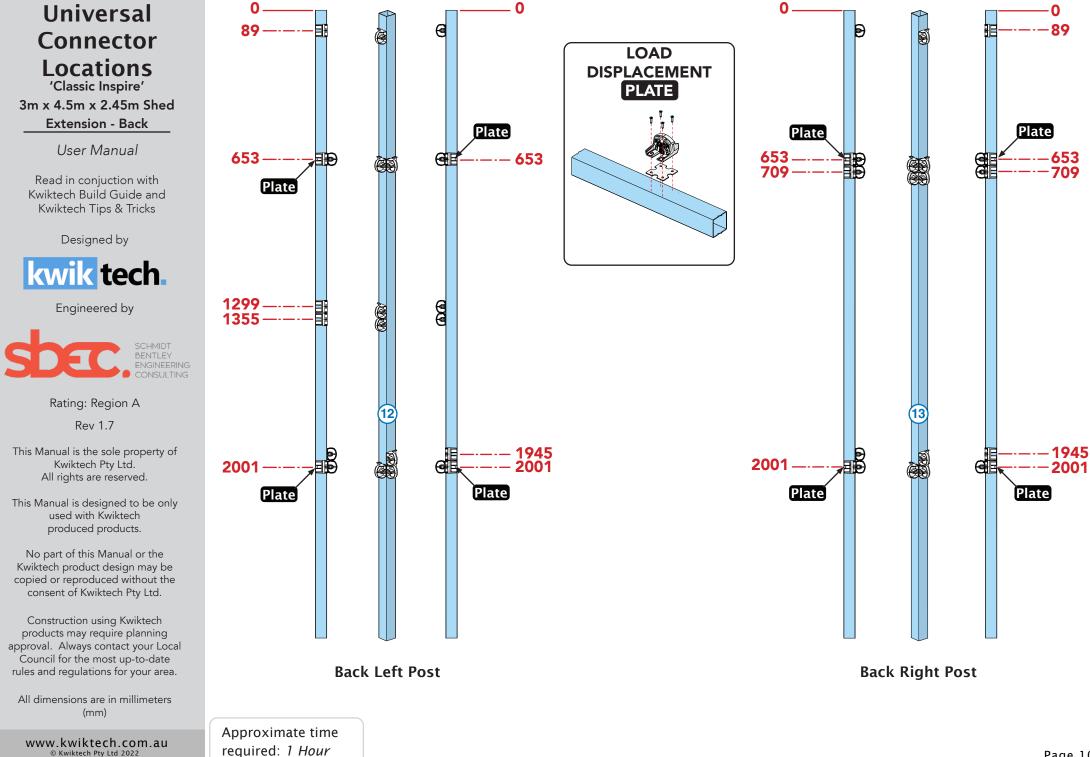


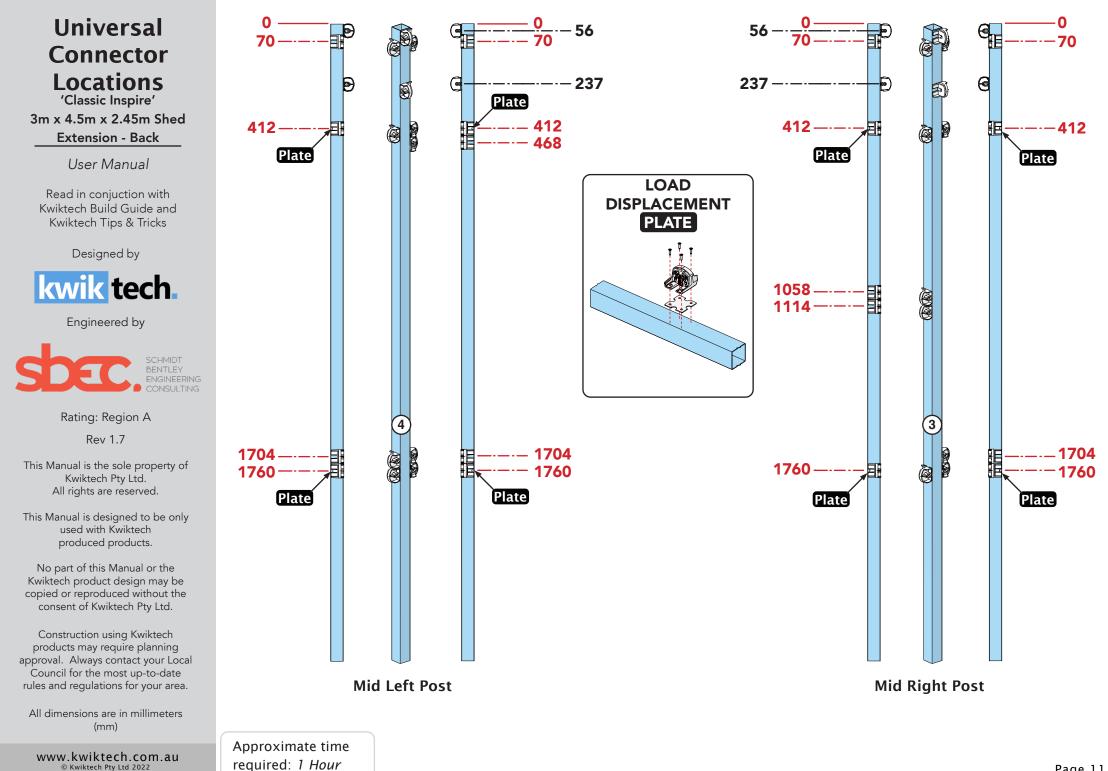
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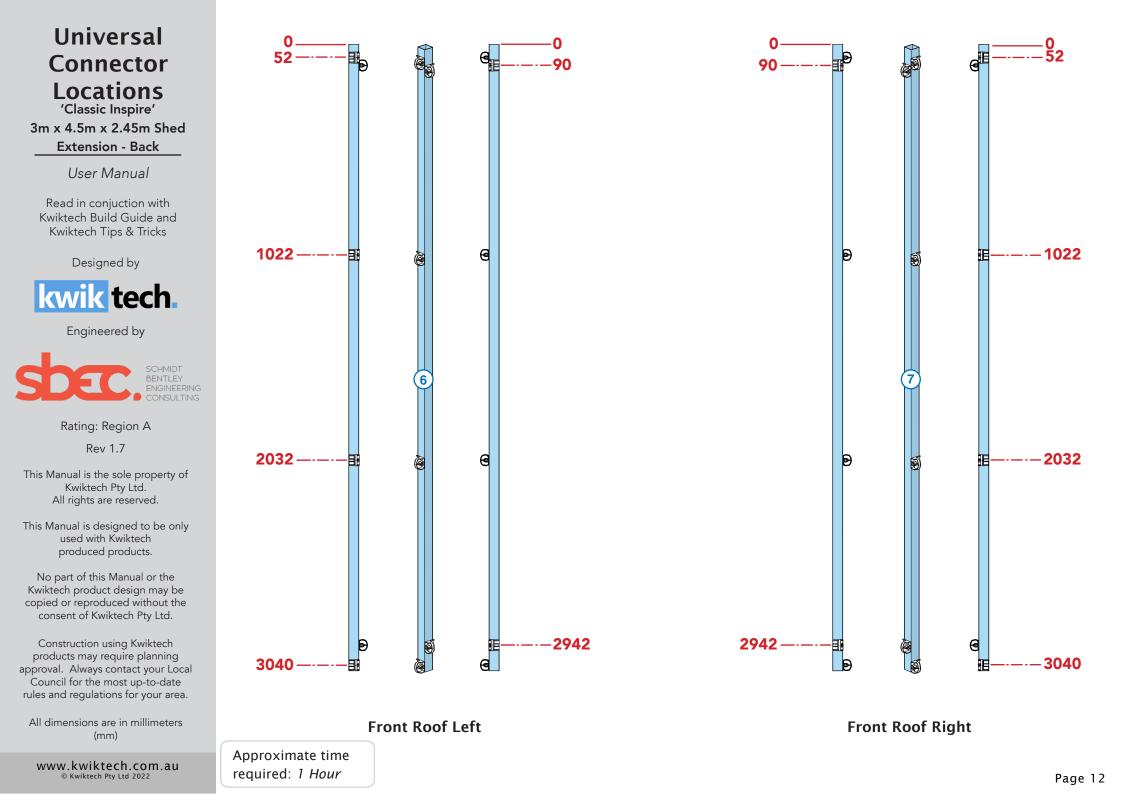
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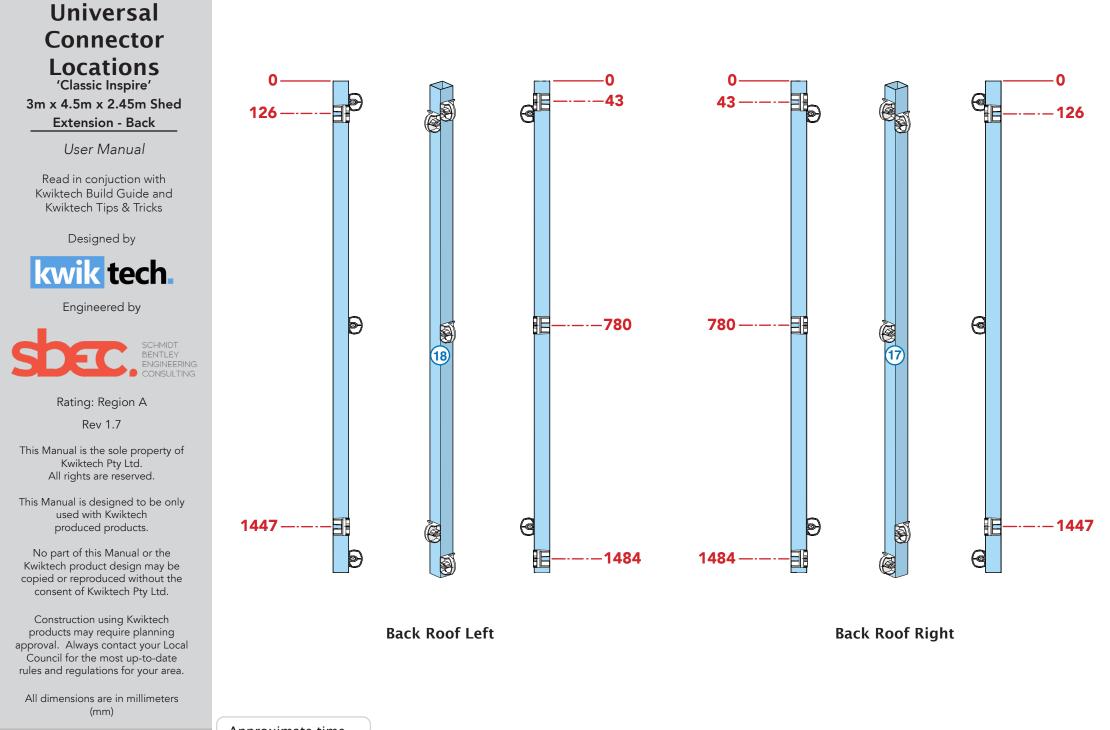
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958

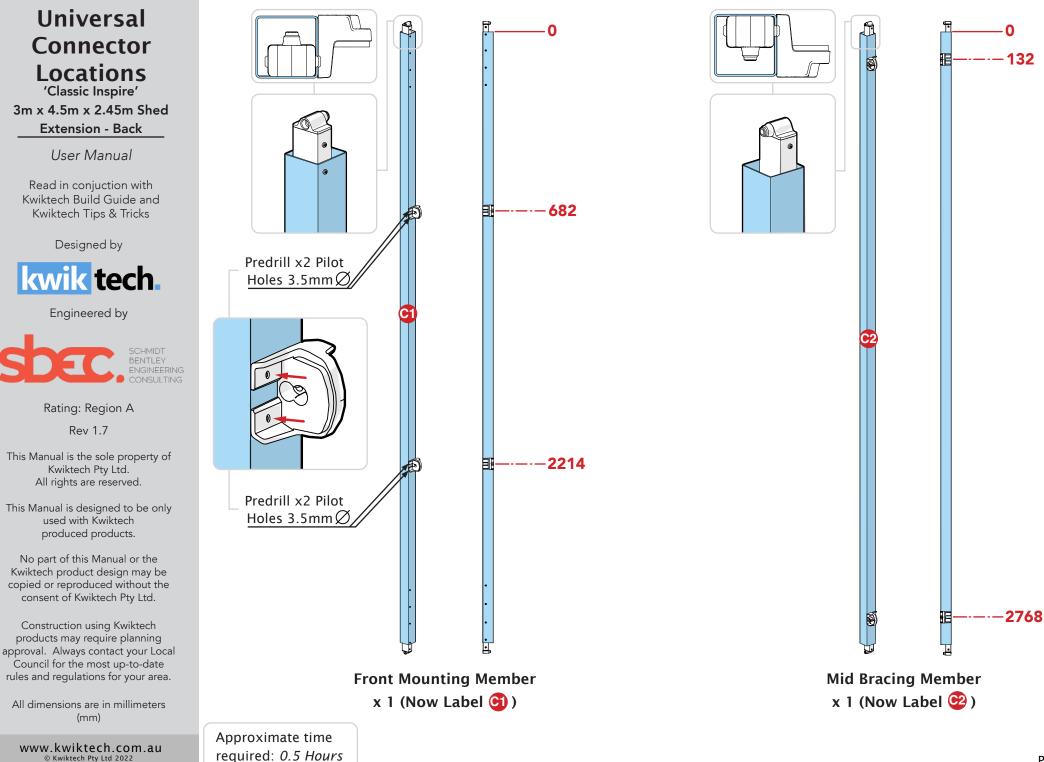


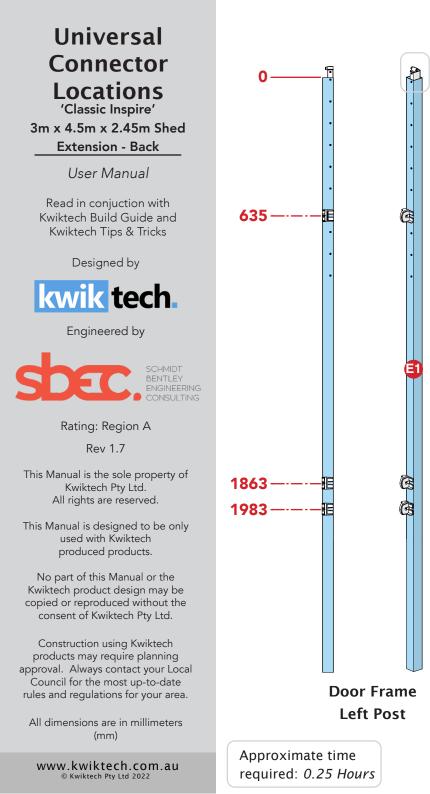


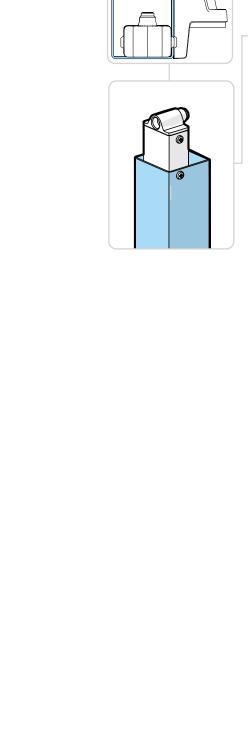


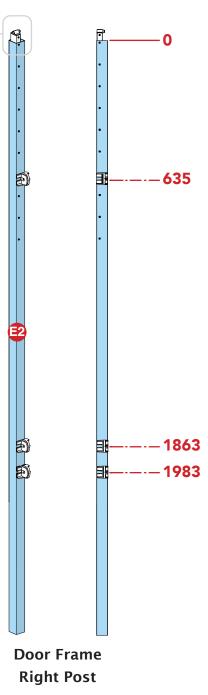


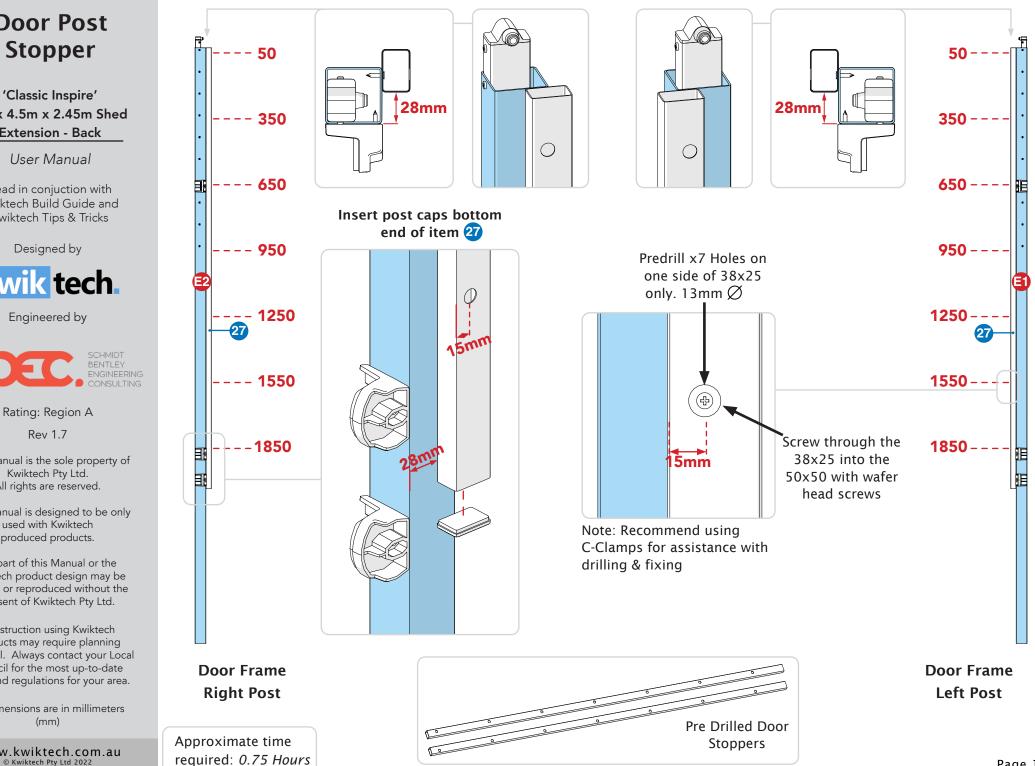
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Door Post Stopper

3m x 4.5m x 2.45m Shed **Extension - Back**

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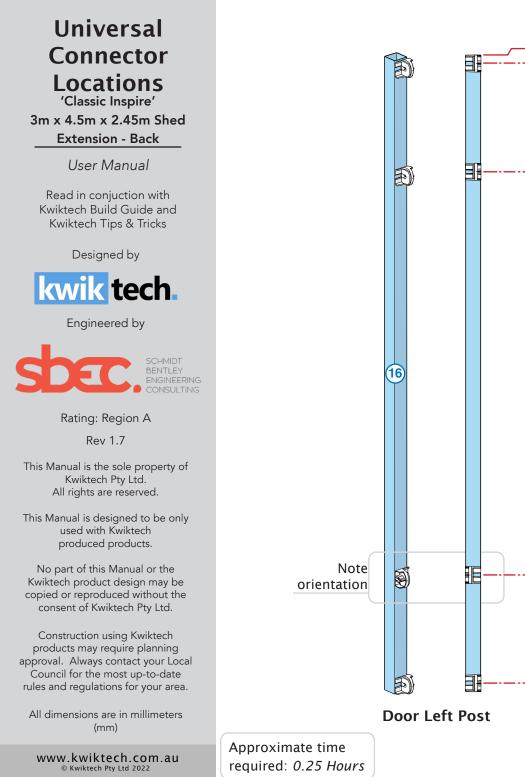
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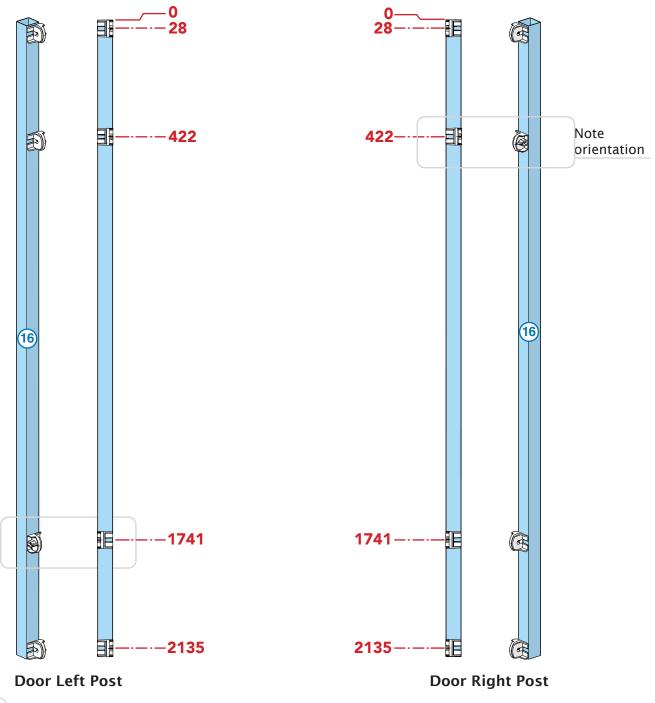
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Ground Fixing Details

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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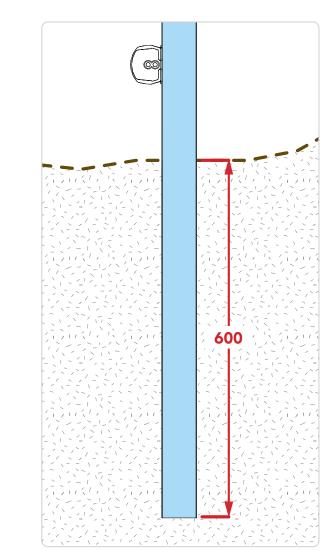
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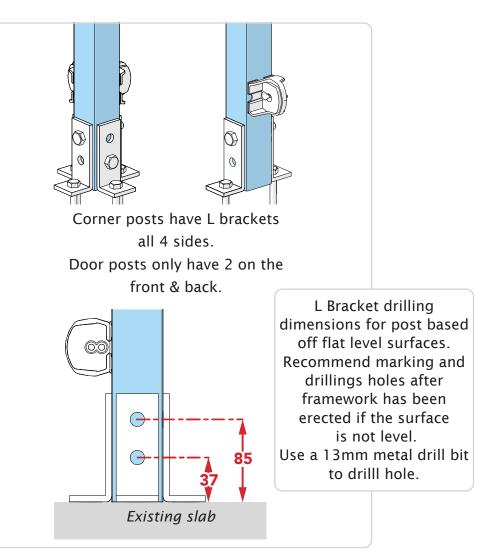
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Primary Post Fixing Method 600mm embedment into ground x either 450mm diameter OR 400mm square hole.

Concrete minimum compressive strength of 15 MPa. (Applies to both fixing scenarios)



Secondary Post Fixing Method Assumed existing slab to be minimum 100mm thick & in sound structural condition.

L Bracket fixed to posts via m12x75 4.6 Hex Head Galv Bolt/Nut. Use a 13mm metal drill bit to drill hole.

Fixed into concrete with 4 x Dynabolt DP12100GH M10 12x100mm Galv Hex Nut, 70mm min edge distance. Use a 12mm masonry drill bit to drill hole.

Ground Fixing Details

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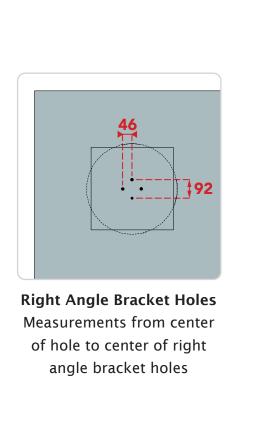
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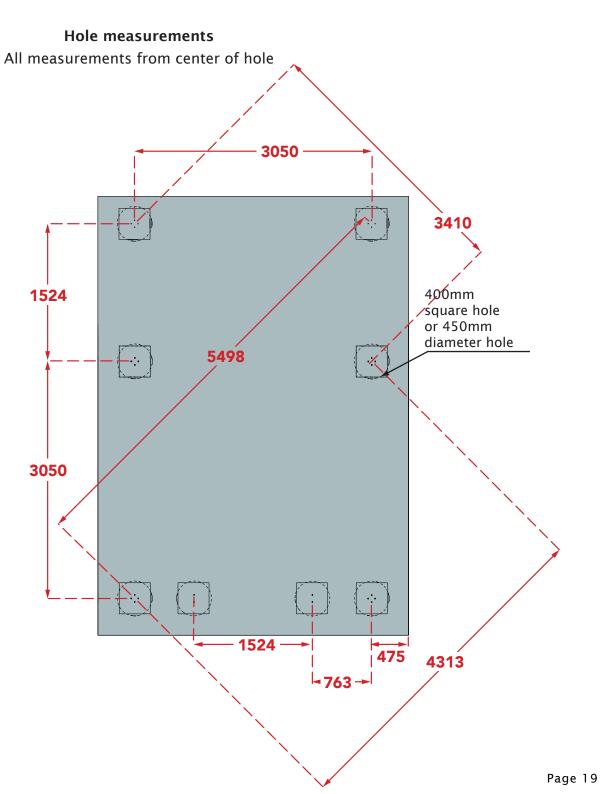
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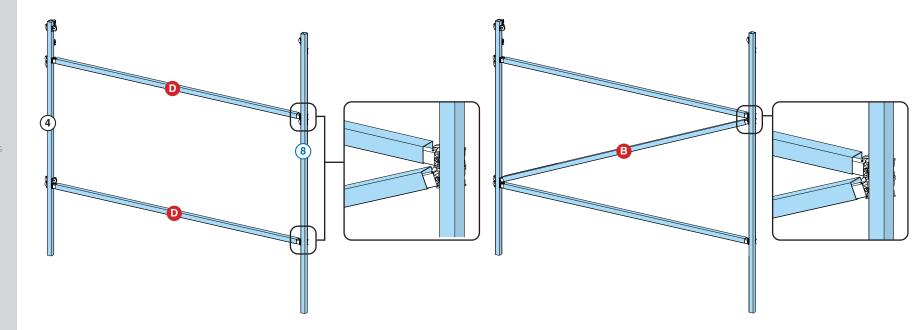
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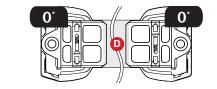
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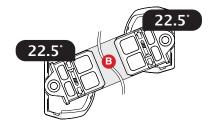
Attach 2 rail items below

Build Left Wall Construct on the ground. (Images show frames upright for clarity)

> **Step 2** Attach the rail below







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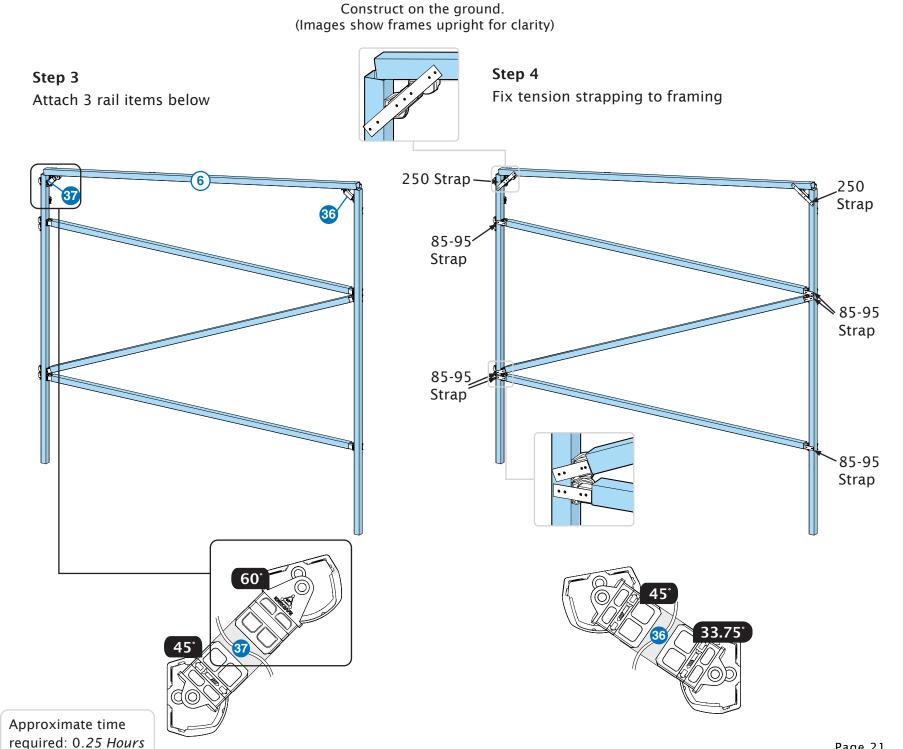
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Build Left Wall

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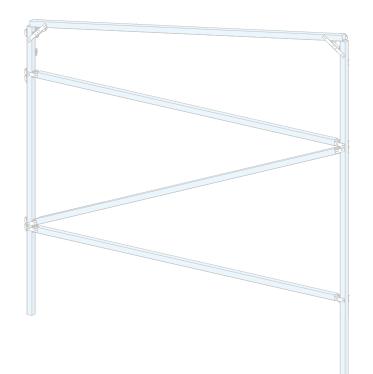
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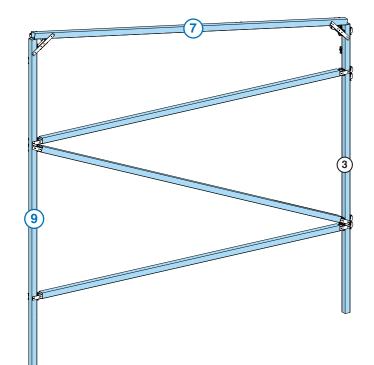
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required: 0.5 Hours

Build Right Wall Right side assembly steps the same as the left but mirrored.

Step 5 Left wall finished **Step 6** Repeat previous steps for right wall





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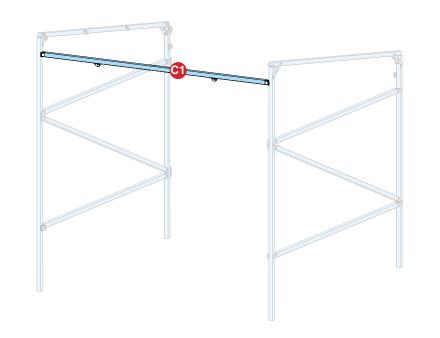
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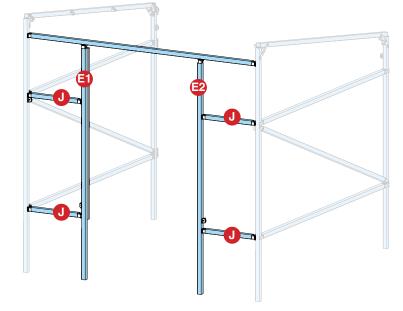
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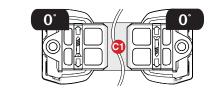
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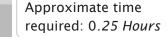
Fix Walls Together with Front members

Step 1 Attach the rail below **Step 2** Attach the 6 rail items below











'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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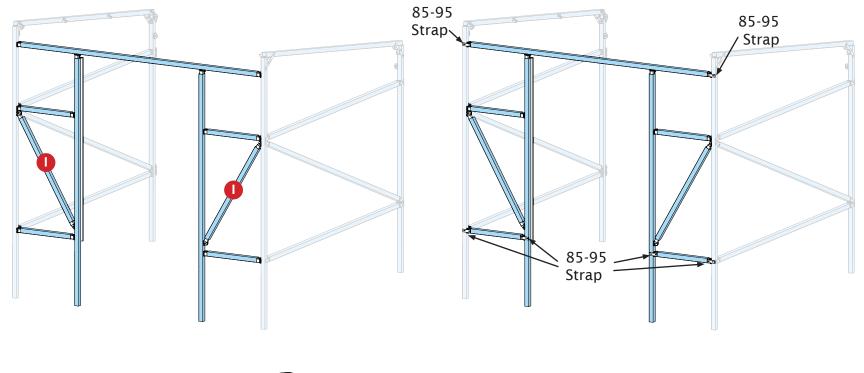
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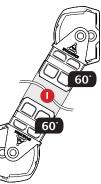
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Step 3

Attach 2 rail items below

Step 4 Fix tension strapping to framing





Fix together with Front

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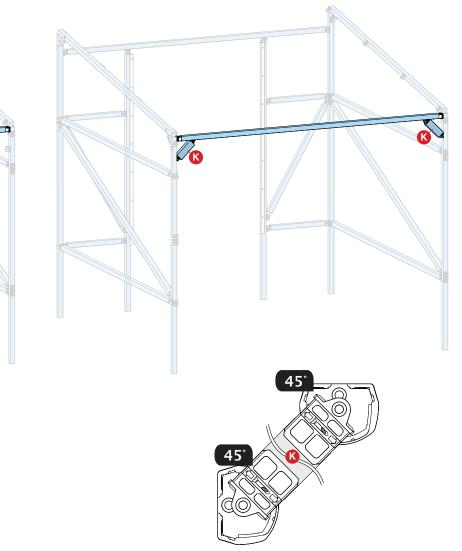
All dimensions are in millimeters (mm)

www.kwiktech.com.au © Kwiktech Pty Ltd 2022 **Step 1** Attach the Mid Brace

Approximate time

required: 0.25 Hours

Step 2 Attach the 2 rail items below



Fix together with Back

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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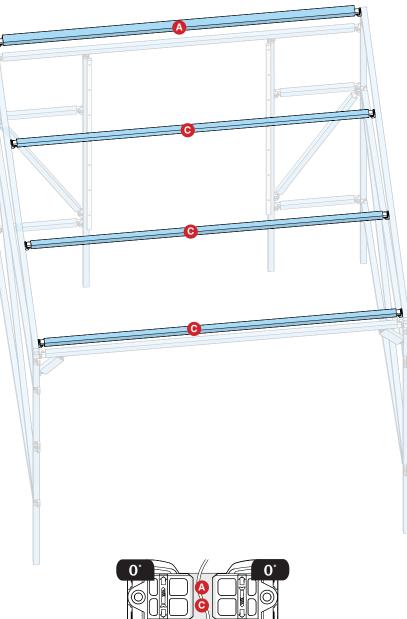
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required: 0.25 Hours

Tie square with Roof

Step 1

Attach 4 rail items below



'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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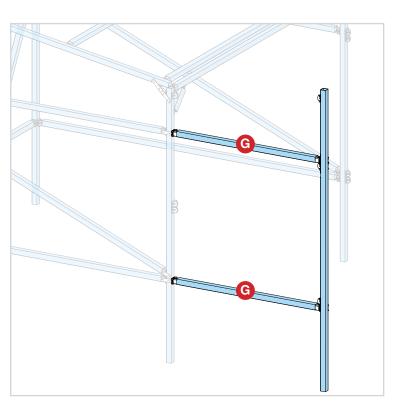
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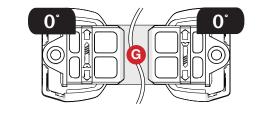
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Attach Back Extension Right Wall

Step 1 Attach 2 rail items below

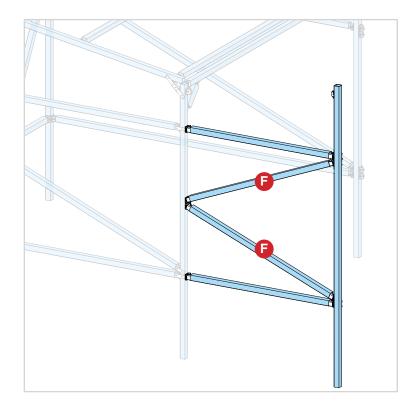


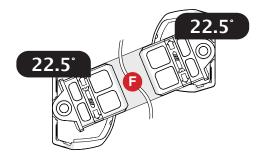


Approximate time

required: 0.5 Hours

Step 2 Attach 2 rail items below





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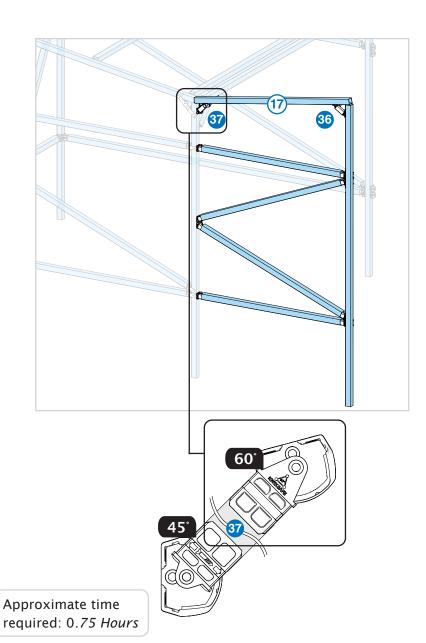
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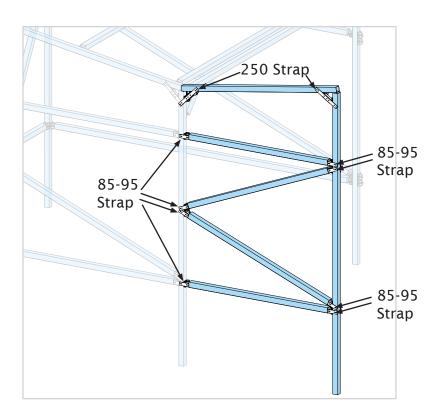
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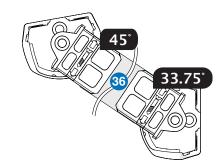
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Step 3 Attach the 3 rail items below



Step 4 Fix tension strapping to framing





'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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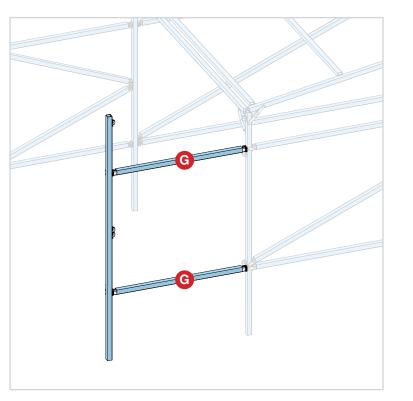
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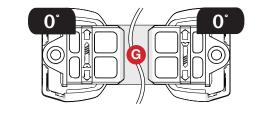
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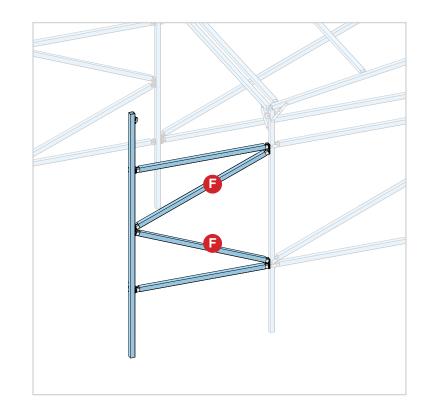
Attach Back Extension Left Wall

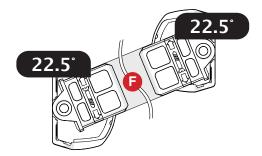
Step 1 Attach 2 rail items below





Step 2 Attach 2 rail items below





'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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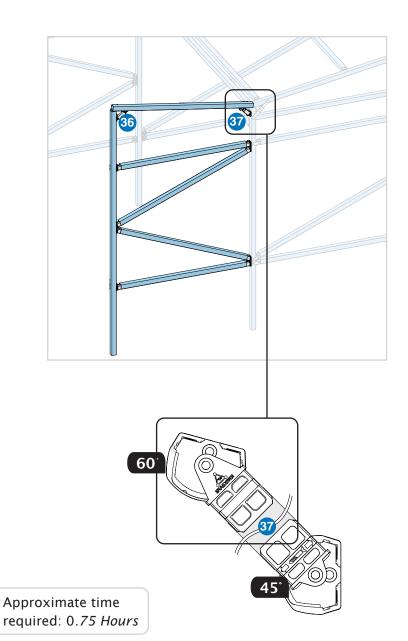
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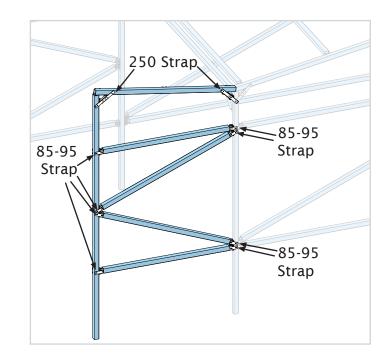
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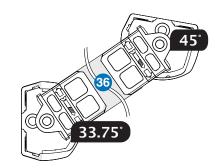
Attach Back Extension Left Wall

Step 3 Attach the 3 rail items below



Step 4 Fix tension strapping to framing





'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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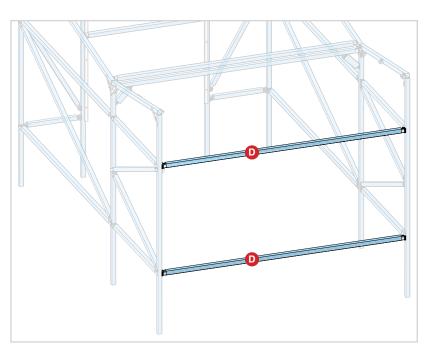
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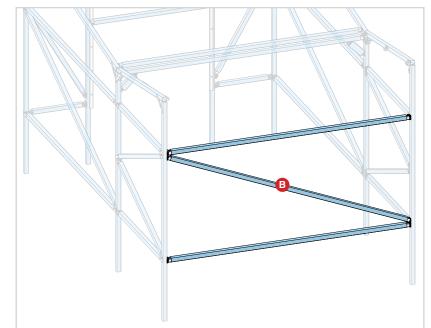
All dimensions are in millimeters (mm)

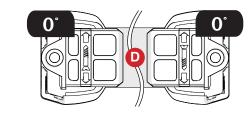
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Step 1 Attach the 2 rail items below **Step 2** Attach the rail item below

Fix Extension together with Back



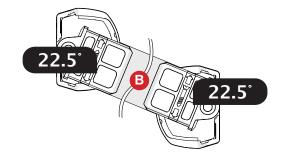




Approximate time

required: 0.5 Hours





'Classic Inspire' 3m x 4.5m x 2.45m Shed ______Extension - Back____

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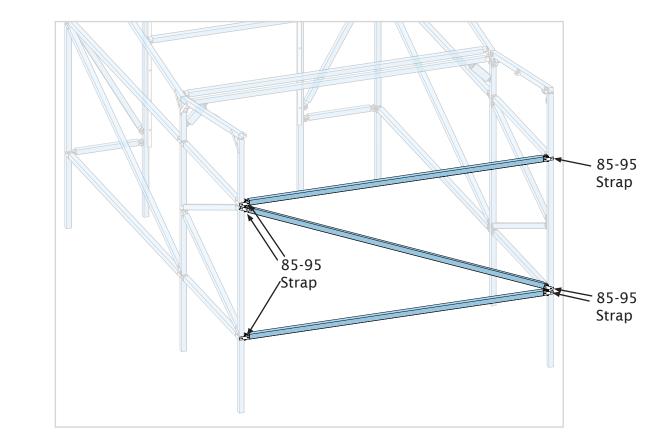
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Fix Extension together with Back

Step 3 Fix tension strapping to framing



'Classic Inspire' 3m x 4.5m x 2.45m Shed ______Extension - Back_____

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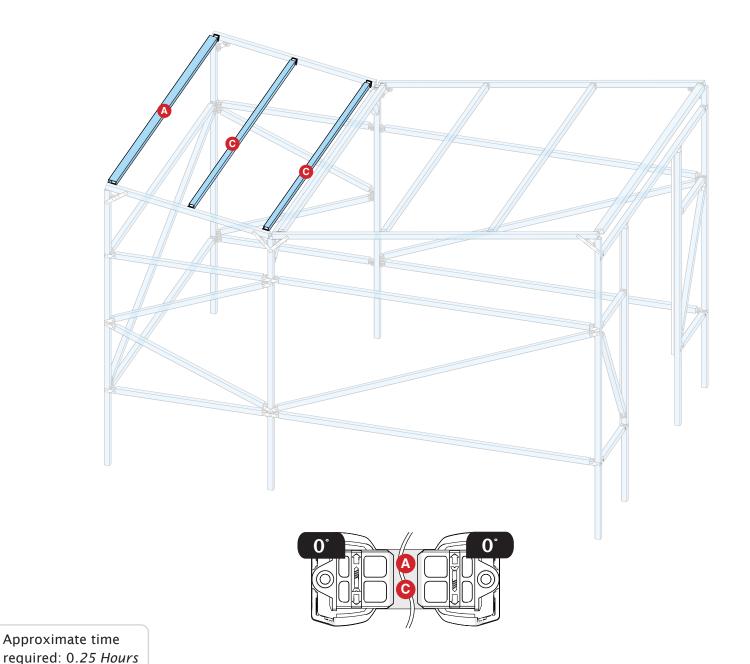
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Step 1 Attach 3 rail items below



Temporary Corner Stiffners

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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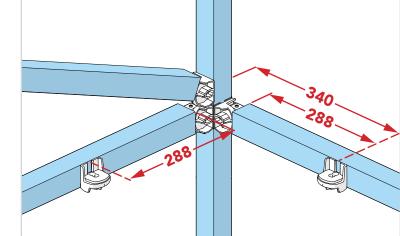
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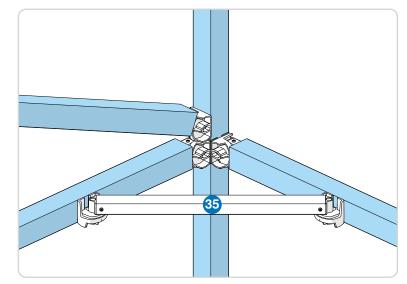
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frame kit was purchased.

Optional Bracing if DIY

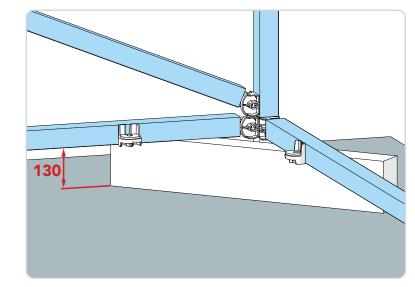


Fix 2 Universal connectors in the positions shown in all 4 corners.



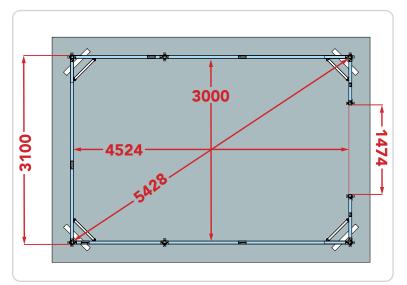
Optional temporary base corner stiffners

Fit Item 35 into the corners to tie shed square before ground fixing. Once secured to ground, remove these baces & the universal connectors.



Pack approximately 130mm and shim as required to achieve a level shed. Use a spirit level to check horizontal members.

Approximate time required: 0.5 *Hours*



Push or pull shed corners as required to assist in fitting the corner bracing. Ensure dimensions match the ones stated above before fixing. Additional supports maybe required.

Gutter

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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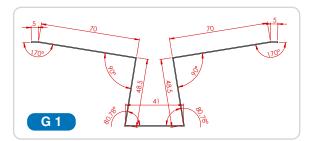
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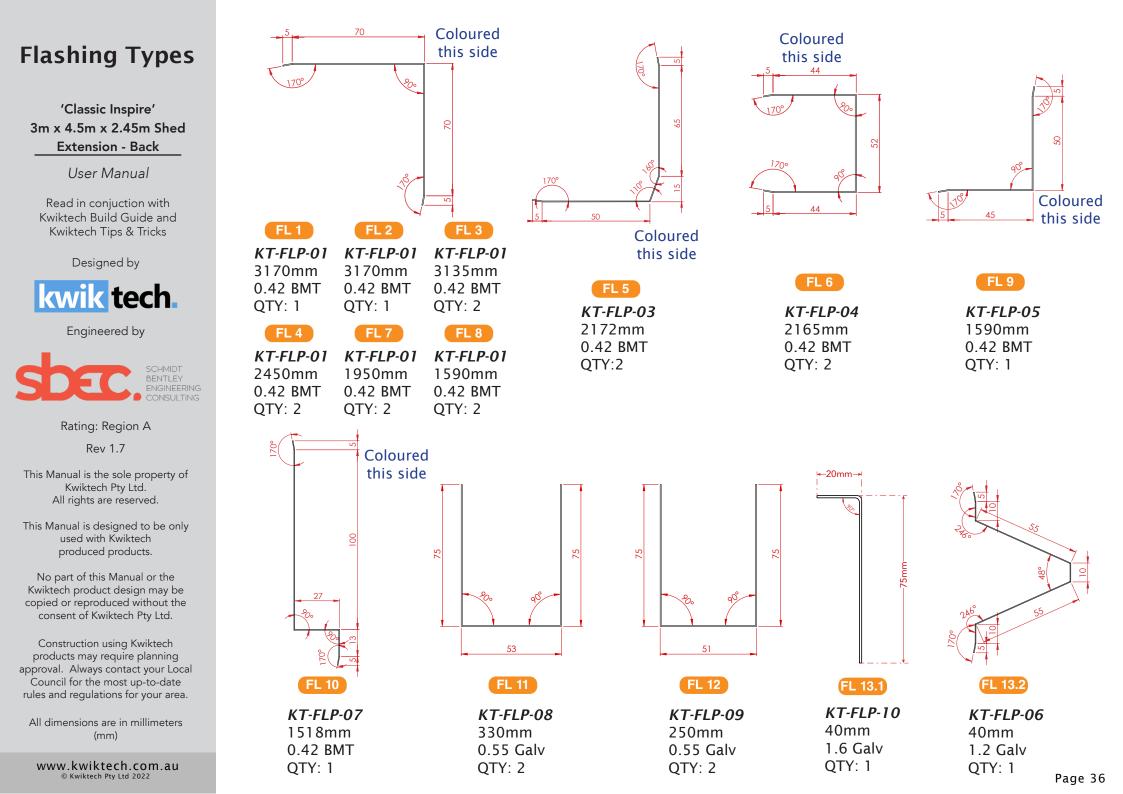
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All dimensions are in millimeters (mm)

Slide **G1** in from 1 end until it protrudes 105mm from the face of the steel at both ends. Gutter will be fixed in place when roof sheets are attached.



G 1



Internal Flashings

'Classic Inspire' 3m x 4.5m x 2.45m Shed **Extension - Back**

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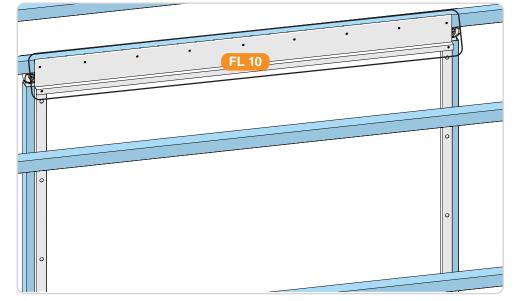
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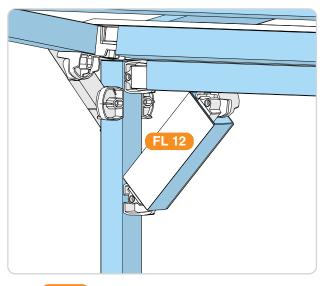
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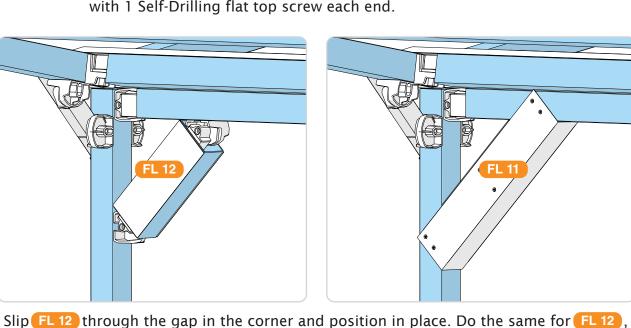
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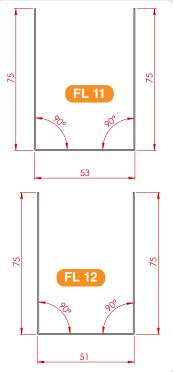
9 x 10gx16mm Self-Drilling flat top screws used to fix FL 10 to SHS frame. Screws evenly spaced. Ends of FL10 to be flush with outer face of door stoppers. Then fix to the door stoppers with 1 Self-Drilling flat top screw each end.

fixing to the steel & FL 11. Do the same on the other corner brace.





€ 100mm 15mm 25mm Flashing dimensions



Flashing dimensions

Approximate time required: 1 Hour

Door Assembly

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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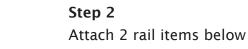
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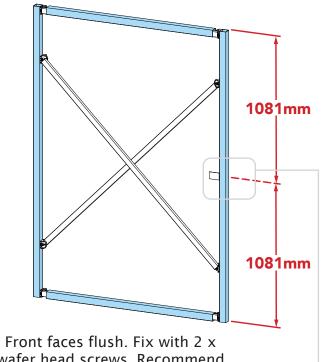
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Step 1 Attach 2 rail items below

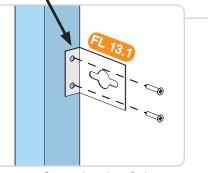


45

Step 3 Fix handle plate to post



Front faces flush. Fix with 2 x wafer head screws. Recommend pre-drilling and using clamp when fixing bracket to frame



View from back of door



Approximate time required: 0.5 Hours

Door Assembly

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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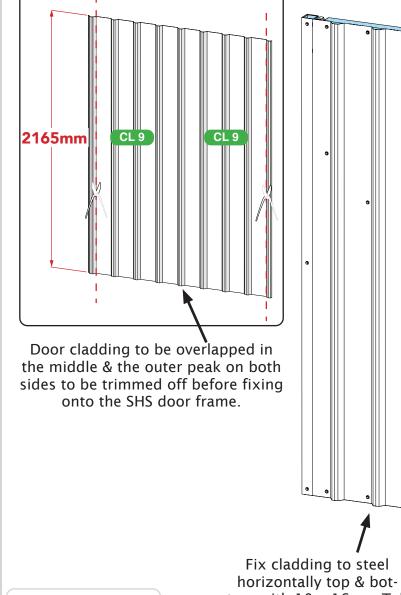
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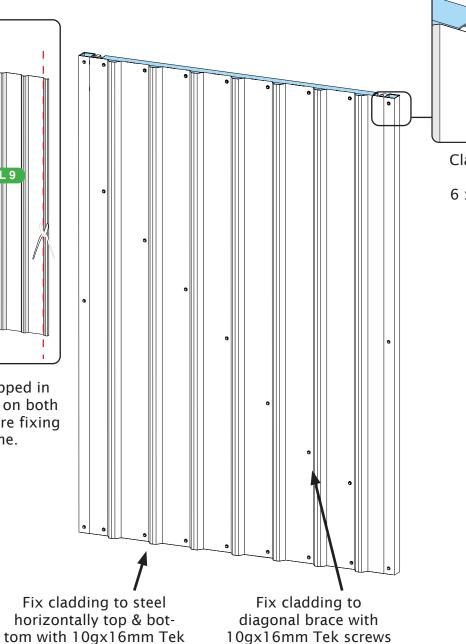
Step 4 Attach cladding & flashings

Approximate time

required: 0.5 Hours



screws before every peak



before every peak



Cladding & flashing fixed to SHS frame vertically via 6 x 10gx16mm Tek screws.

Door Assembly

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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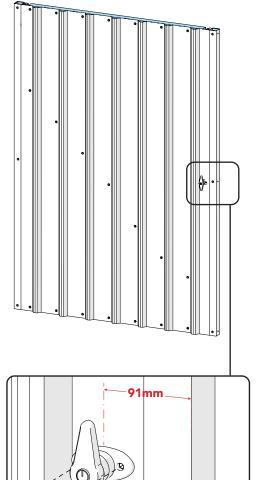
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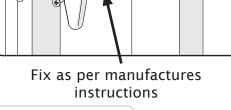
All dimensions are in millimeters (mm)

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Step 5

Fix handle through cladding to plate





Approximate time required: 0.75 *Hours*

Step 6

Loosely attach door latch & fit FL 13.2 in place.

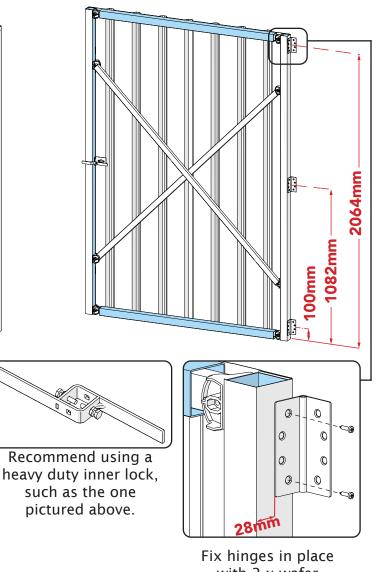
© © FL 13.2

FL 13.2 Red heaver FL 13.2

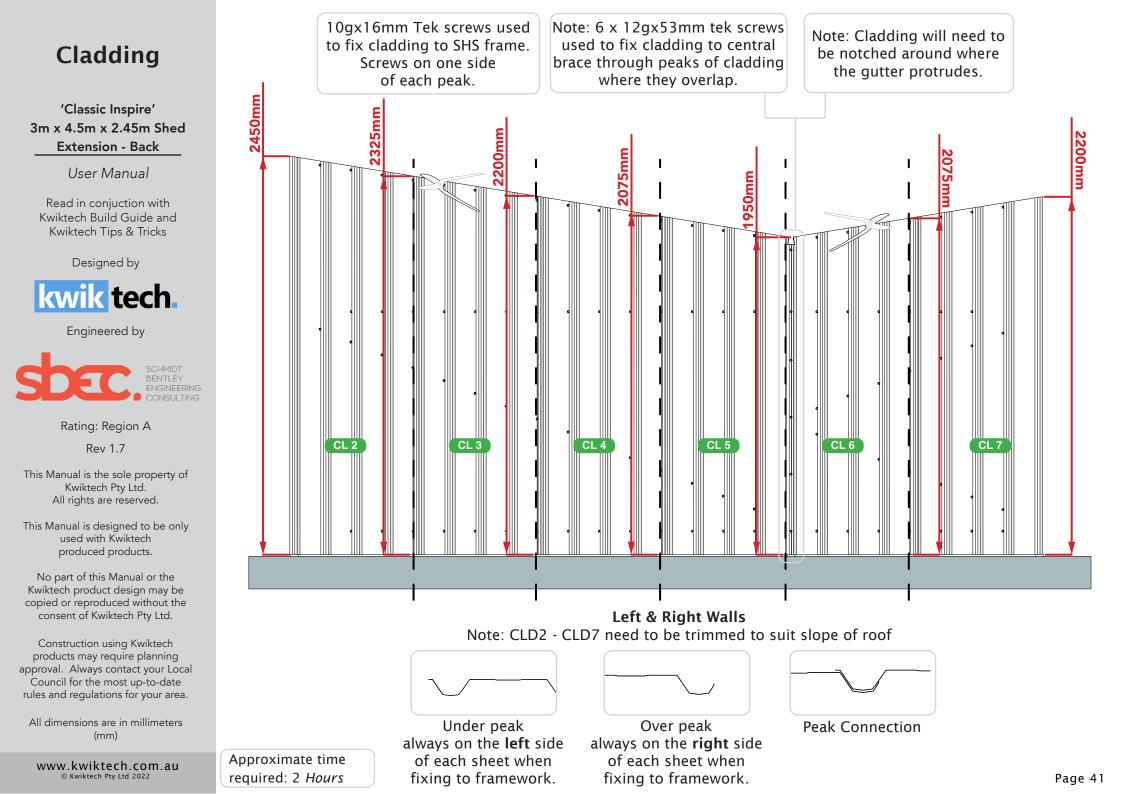
Tighten screw after door is fitted to frame. Refer to page 38. Fix FL 13.2 in place with 2 10gx16mm tek screws top & bottom.

Step 7

Attach hinges to door post



with 2 x wafer head screws



'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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required: 1 Hours

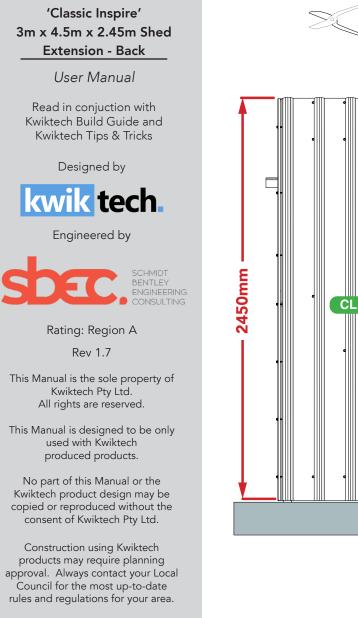
2200mm **CL 8 CL 8 CL 8 CL 8** Back Approximate time

10gx16mm Tek screws used to fix cladding to SHS frame. Screws on one side of each peak.

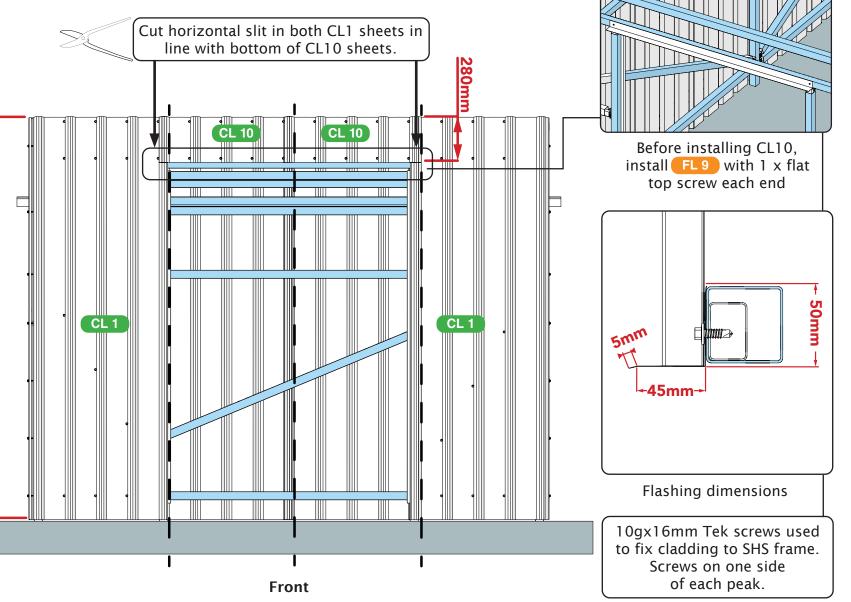
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Approximate time required: 1 *Hour*



Page 43

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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required: 1 Hour

1550mm 3090mm **RF 2** RF 1 Above door flashing **RF 2** RF 1 **FL 9 RF 2** RF 1 RF 2 RF

> **Roof** (Plan view)

12gx53mm tek screws

used to fix cladding to SHS frame. Screw through the peaks.



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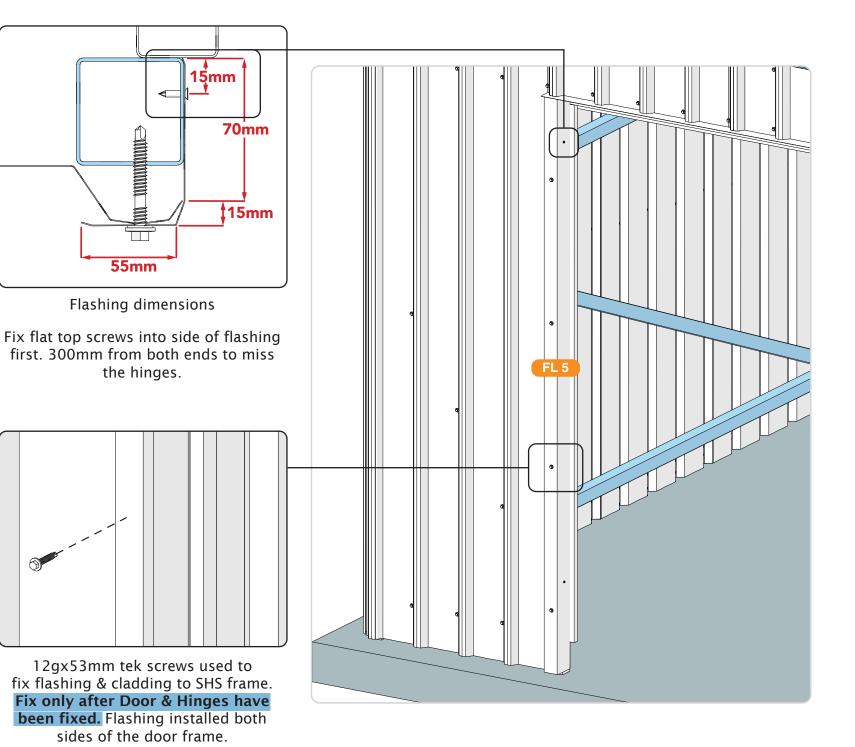
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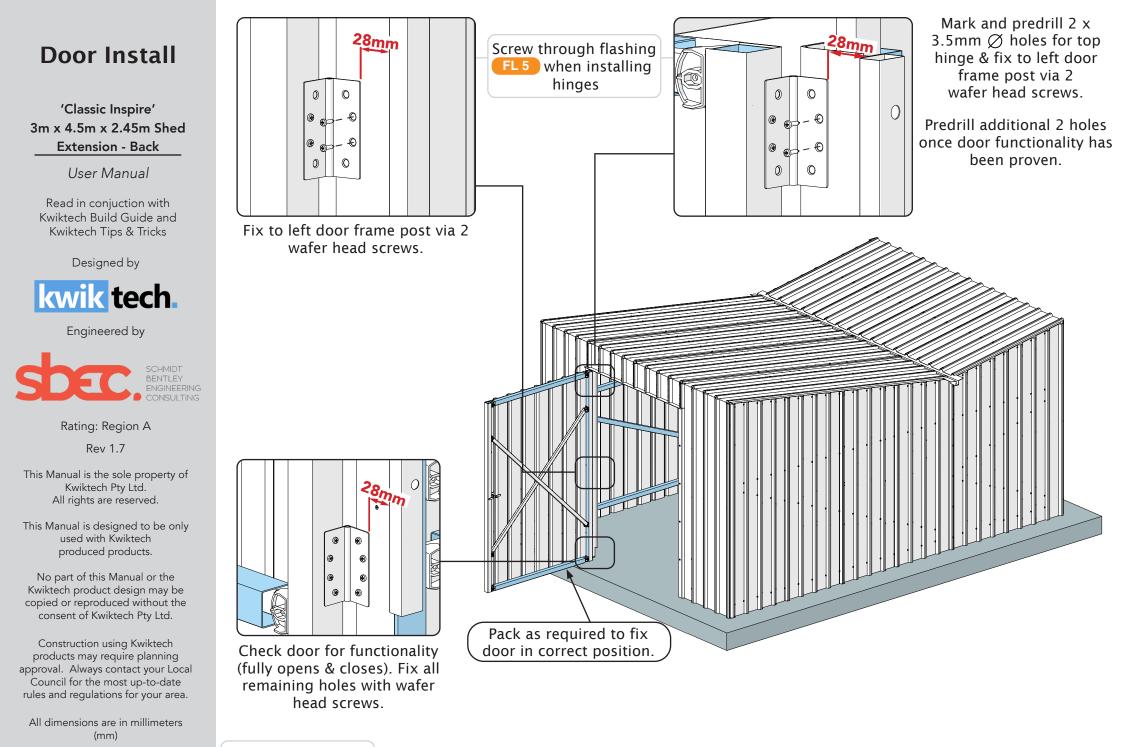
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Approximate time required: 0.5 *Hours*

Flashings

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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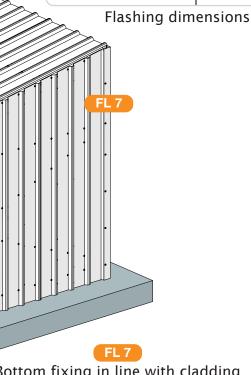
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Step 1 Install front & back corner flashings

FL.

FL 4 Bottom fixing in line with cladding fixings. 14 x 12gx53mm screws @ 400mm vertical centers to secure the flashing to the cladding & SHS frame.



-**75**mm

Canannan Ind

75mm

Bottom fixing in line with cladding fixings. 12 x 12gx53mm screws @ 400mm vertical centers to secure the flashing to the cladding & SHS frame.

Back left **FL7** hidden due to view. Install in the same way.

Flashings

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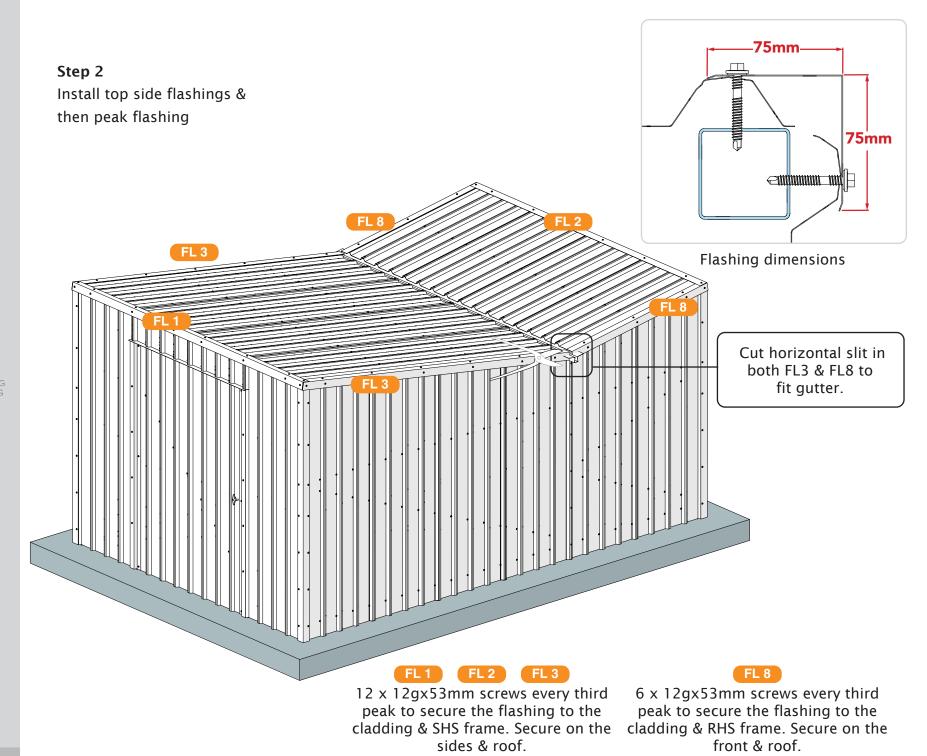
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Shed Frame Blueprint Front

'Classic Inspire' 3m x 4.5m x 2.45m Shed Extension - Back

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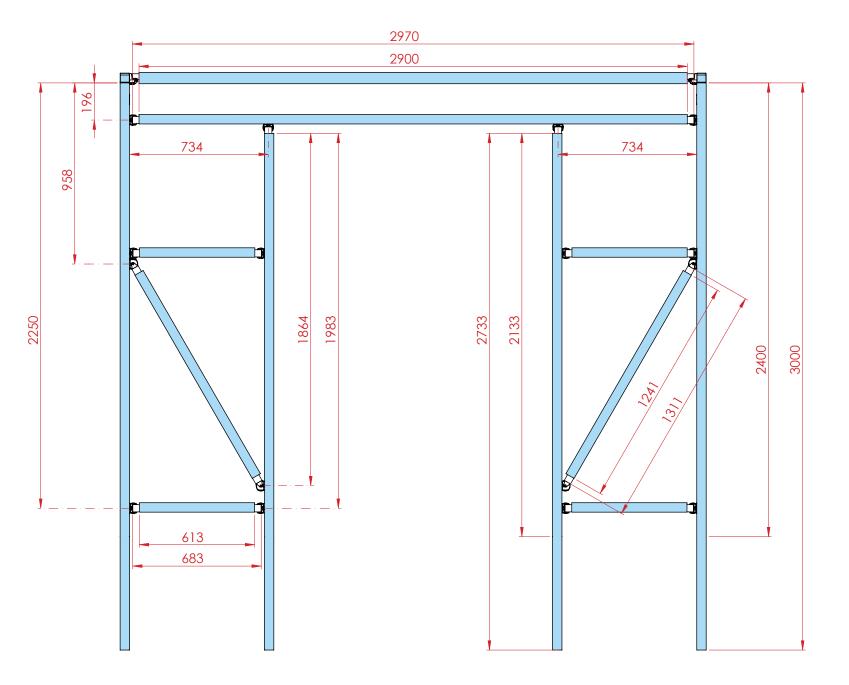
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Shed Frame Blueprint Door

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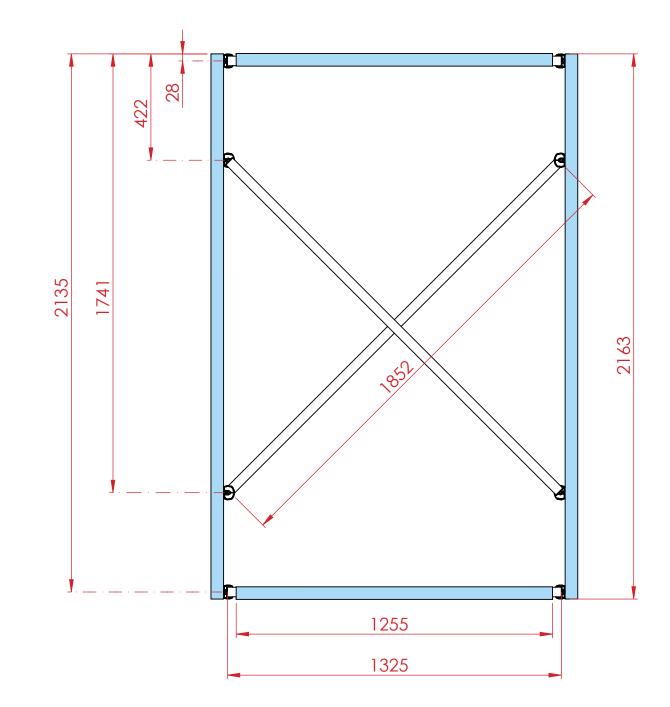
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Shed Frame Blueprint Left Side Lengths

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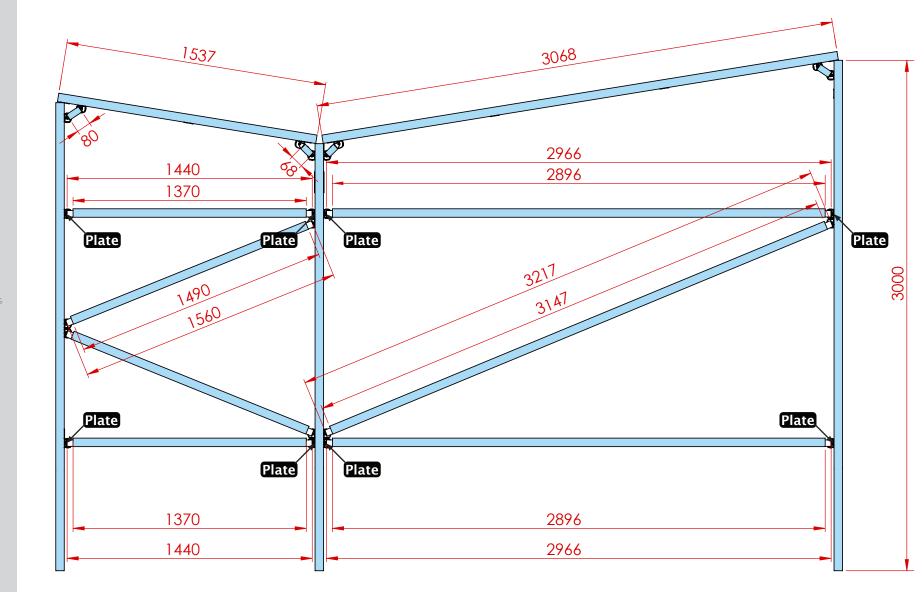
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Shed Frame Blueprint Left Side Connectors

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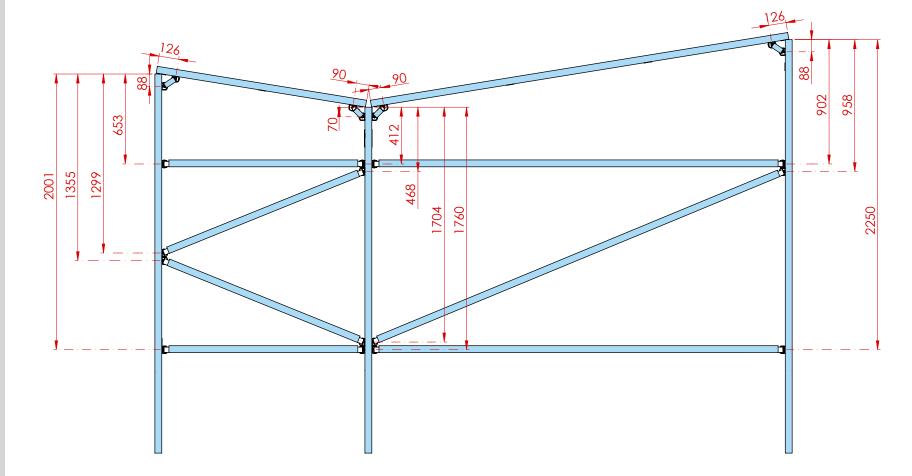
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Shed Frame Blueprint Right Side Lengths

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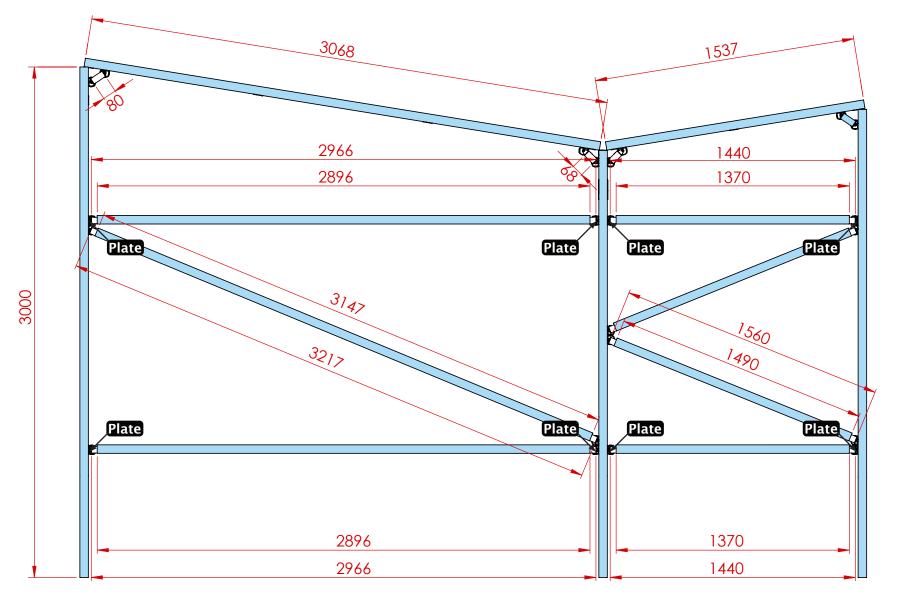
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Shed Frame Blueprint Right Side Connectors

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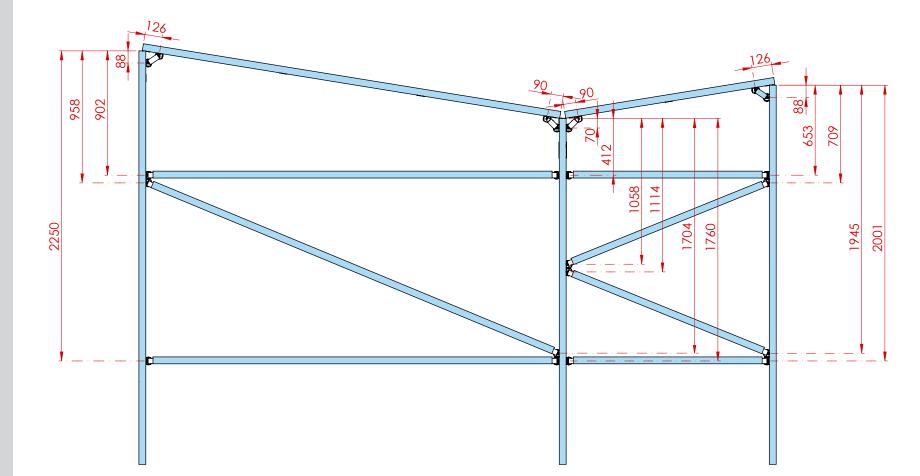
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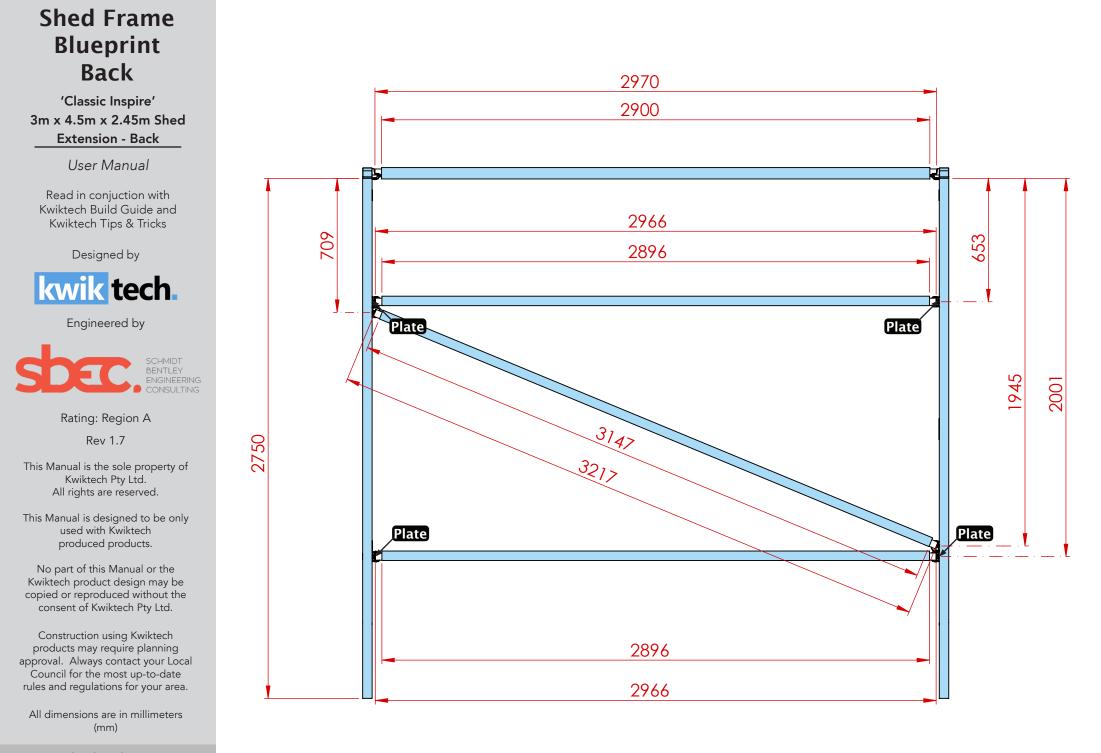
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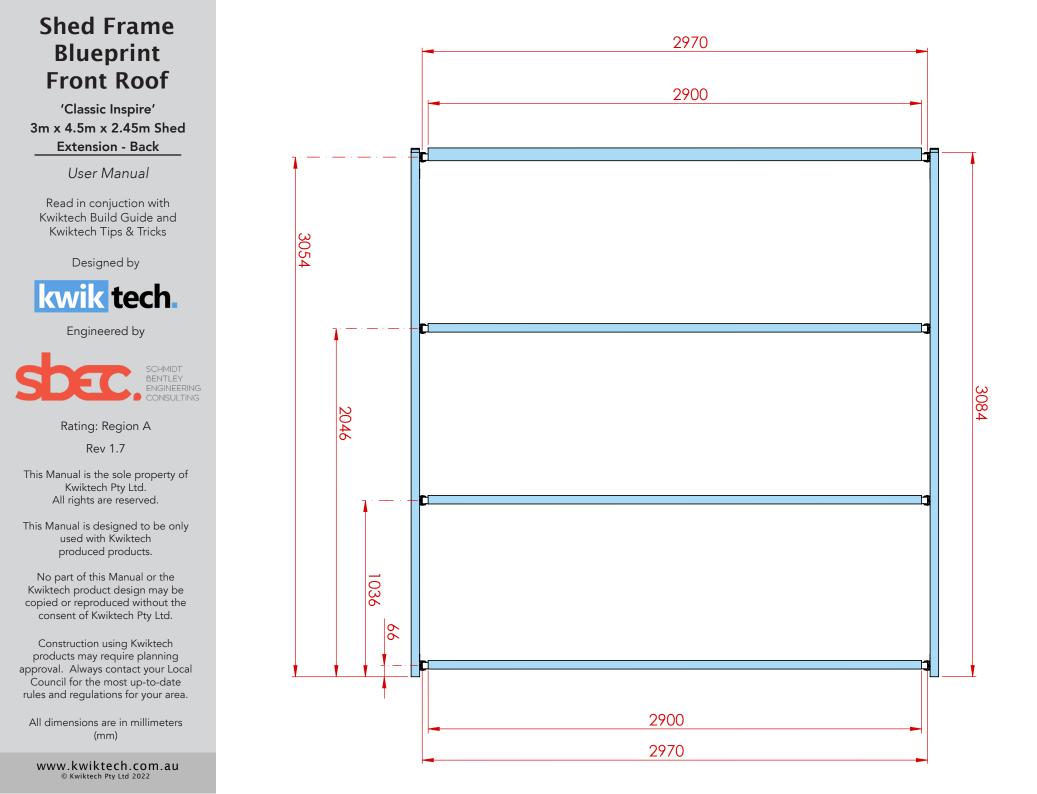
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Shed Frame Blueprint Back Roof

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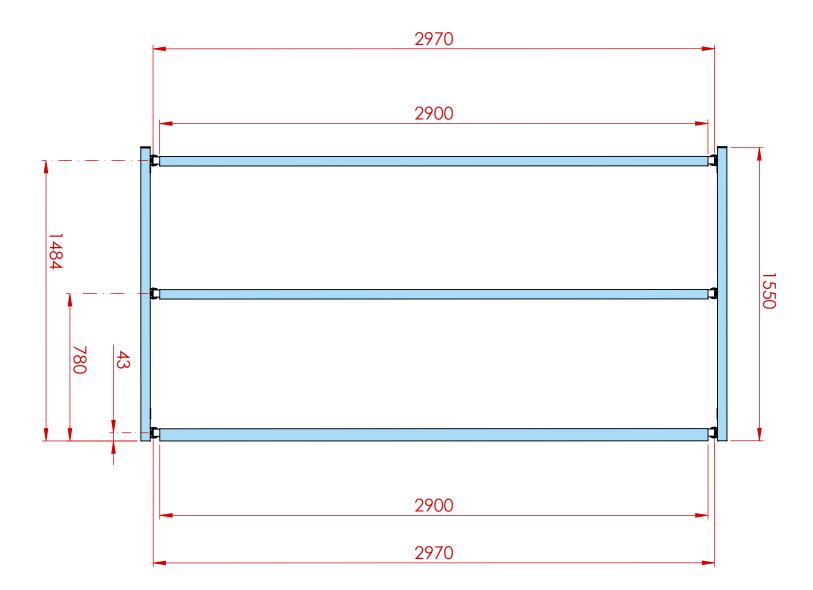
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Engineering Calculations

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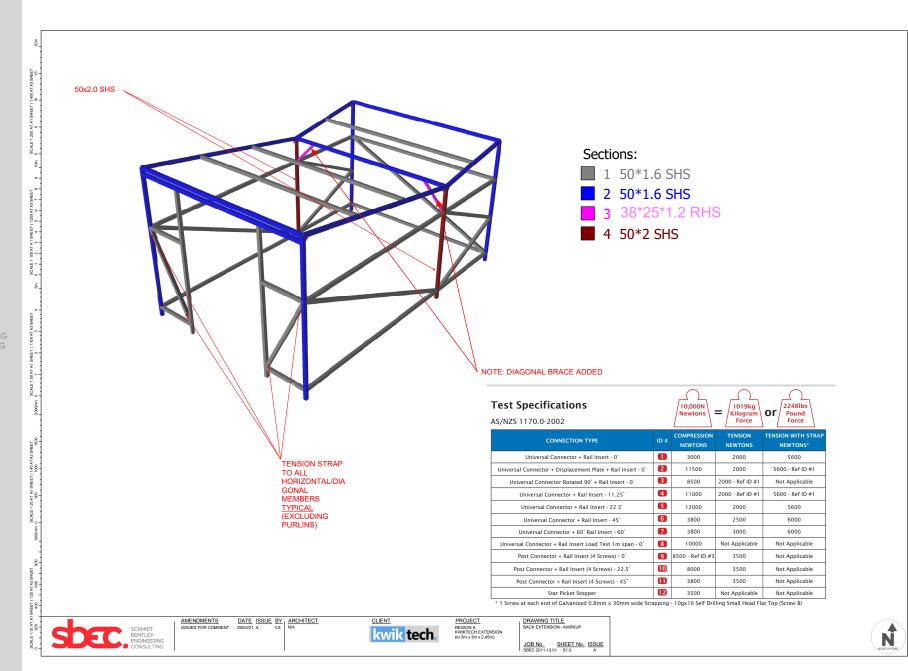
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Engineering Calculations

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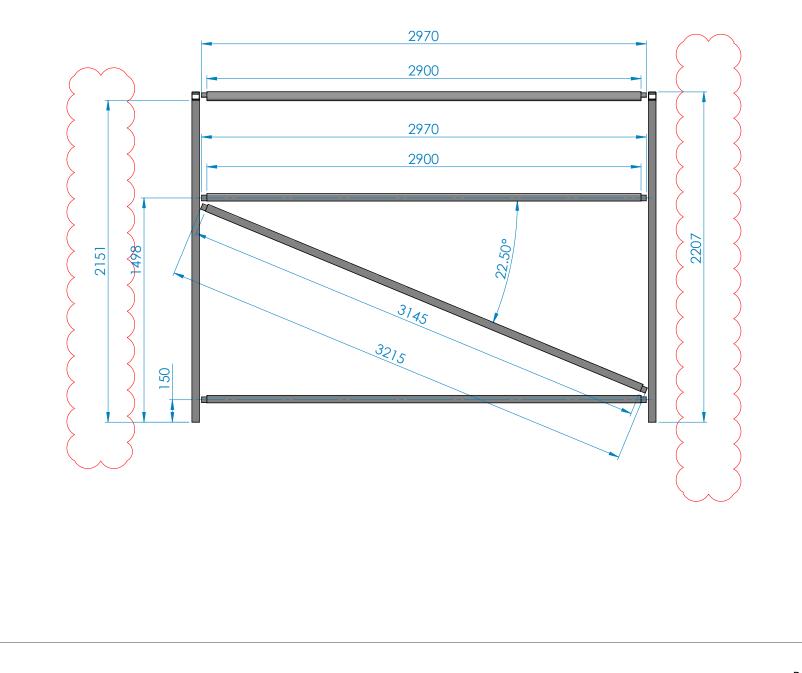
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SAME SHED DIMENSIONS AS 2.45X3X3 SHED



Engineering Calculations

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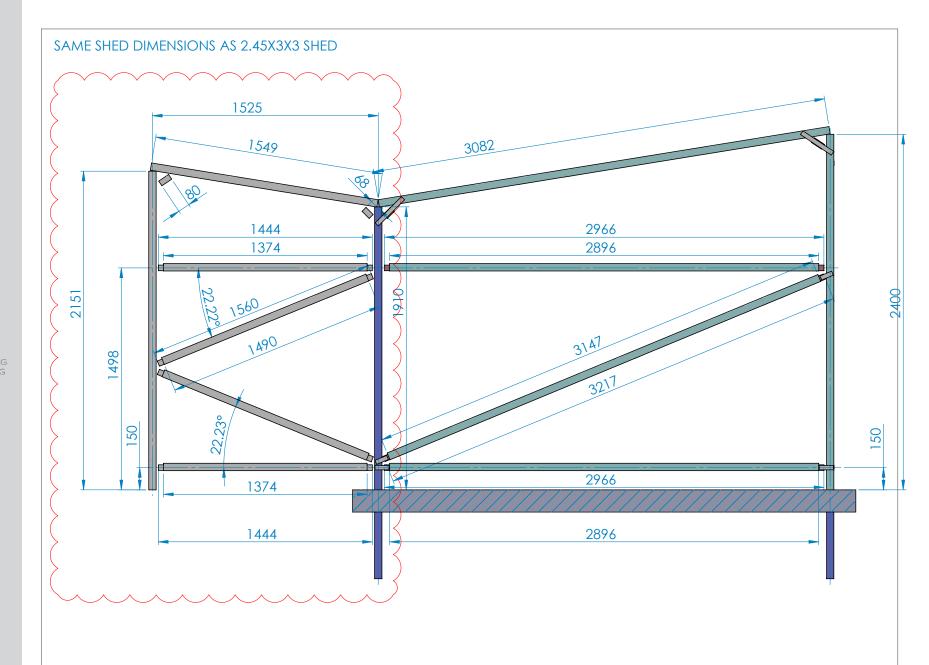
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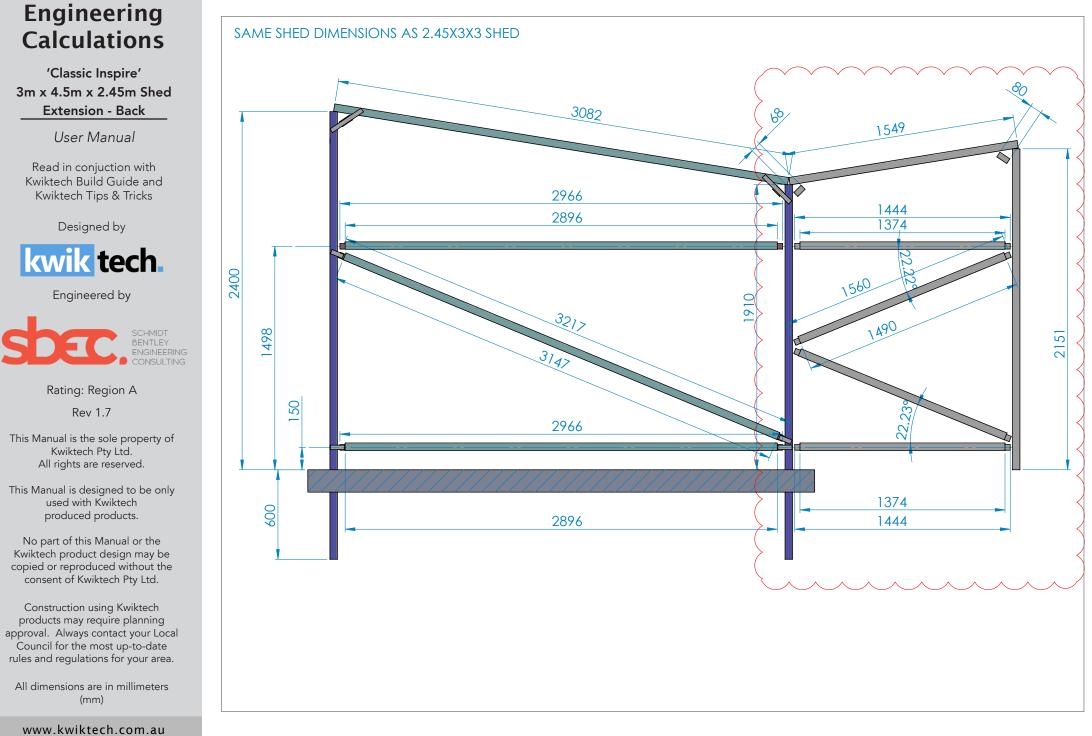
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