#### General Arrangement

2.45m x 3m x 3m Shed Region A

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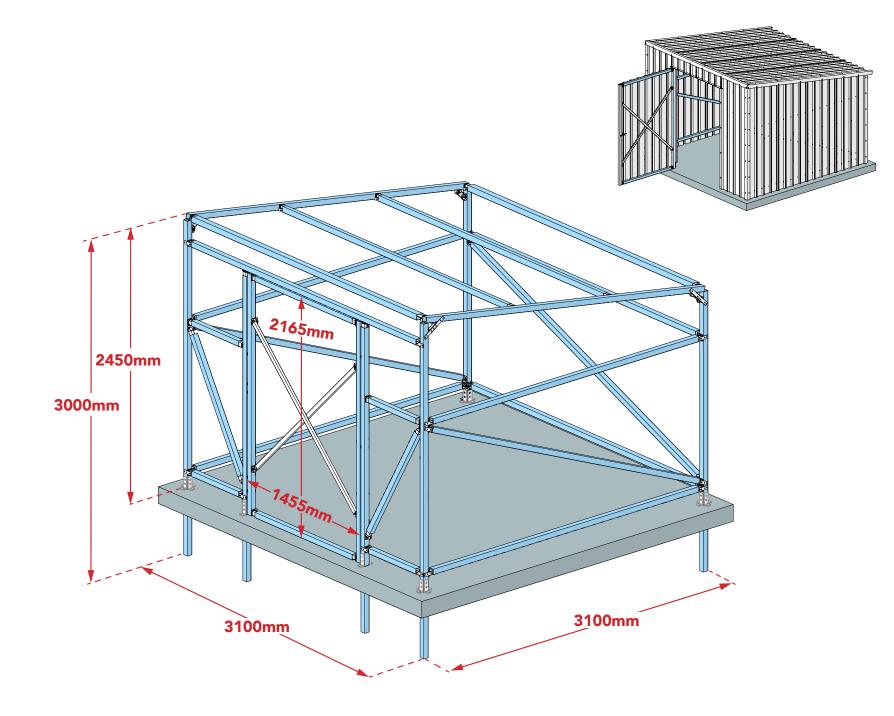
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#### Materials List

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#### **KWIKTECH KITS**

ITEM	QUANTITY	RESELLER RPICE
Kwiktech DIY Rated Shed Kit (NOTE: Some items will not be used)	1	
Kwiktech DIY Rated Square Kit (Optional for temporary corner bracing)	1	

#### **NON KWIKTECH ITEMS**

ITEM	ITEM ID #	ASSEMBLY ID #	LENGTH	COLOUR	QUANTITY	RESELLER RPICE
RHS 75x50x2.0mm	0	A	2900	Galv	2	
SHS 50x50x1.5mm	2	В	3147	Galv	3	
SHS 50x50x1.5mm	3 4		3084	Galv	2	
SHS 50x50x1.5mm	5 6		3000*	Galv	2	
SHS 50x50x1.5mm	7	G	2900	Galv	3	
SHS 50x50x1.5mm (Displacement plates both ends)	8	D	2896	Galv	6	
SHS 50x50x1.5mm	9 10	<b>B</b>	2733*	Galv	2	
SHS 50x50x1.5mm	11 12		2510*	Galv	2	
SHS 50x50x1.5mm	13		2163	Galv	2	
SHS 50x50x1.5mm	14	H	1255	Galv	2	
SHS 50x50x1.5mm	15	<b>(</b>	1241	Galv	2	
SHS 50x50x1.5mm	16	G	613	Galv	4	
RHS 38x25x1.2mm	17	В	3217	Galv	3	
RHS 38x25x1.2mm	18	A C	2970	Galv	5	
RHS 38x25x1.2mm (Displacement plates both ends)	19	D	2966	Galv	6	
RHS 38x25x1.2mm	20		2023	Galv	2	
RHS 38x25x1.2mm	21		1852	Galv	2	
RHS 38x25x1.2mm	22	H	1325	Galv	2	
RHS 38x25x1.2mm	23	<b>6</b>	1311	Galv	2	
RHS 38x25x1.2mm	24	<b>(3</b> )	1000	Galv	2	
RHS 38x25x1.2mm	25	G	683	Galv	4	
RHS 38x25x1.2mm (Used for optional temporary corner braces)	26		442	Galv	4	
RHS 38x25x1.2mm	27		80	Galv	2	
RHS 38x25x1.2mm	28		68	Galv	3	

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#### **NON KWIKTECH ITEMS**

		NON KWIK	CIECH ITEN	15		
ITEM		ID#	LENGTH	COLOUR	QUANTITY	RESELLER RPICE
TrimDek Cladding 762x29 - Roof		RF 1	3275		4	
TrimDek Cladding 762x29 - Front Oute	rs	CL 1	2450		2	
TrimDek Cladding 762x29 - Side 1		CL 2	2450		2	
TrimDek Cladding 762x29 - Side 2		CL 3	2325		2	
TrimDek Cladding 762x29 - Side 3		CL 4	2200		2	
TrimDek Cladding 762x29 - Side 4		CL 5	2075		2	
TrimDek Cladding 762x29 - Back		CL 6	1950		2	
TrimDek Cladding 762x29 - Door		CL 7	2165		2	
TrimDek Cladding 762x29 - Front above [	Door	CL 8	280	Customers Choice	2	
Roof Sides Flashing		FL 1	3310		2	
Peak Flashing		FL 2	3170		1	
Front Corners Flashing		FL 3	2450		2	
Back Flashing		FL 4	3100		1	
Back Corners Flashing	Refer to	FL 5	1950		2	
Door Frame Housing Flashing	page 26 for details	FL 6	2172		2	
Door Side Flashing		FL 7	2165		2	
Above Door Flashing		FL 8	1590		1	
Door Lock Flashing		FL 9	40	Galv	1	
Internal Door Frame Flashing		FL 10	1518	Customers Choice	1	
100x100x2.5 Zinc Plated Butt Hinge			100	Galv	3	
VATER Tee Handle Kit & Inside Latch			-	-	1	
Tek Screw 16mmx10g Coloured			16	Customers	400	
Tek Screw 45mmx12g Coloured - Nec	)		45	Choice	200	
M12x75 4.6 Hex head Galv Bolt & Nut	Only required if		75	Galv	10	
P1326H Ninety Degree Fitting HG	fixing to existing		105	Galv	20	
Dynabolt DP12100 M10 12x100 Galv			100	Galv	20	
38x25 Black Plastic Post Cap			38	Black	2	
					Sub-Total	
					GST	
					Shipping	
					Total Cost	
				ı		Page 3

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#### **Build Preparation**



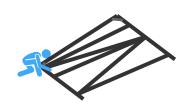


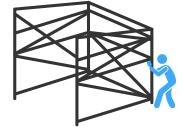


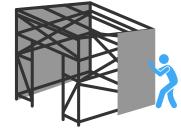


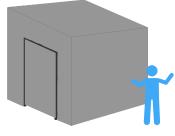


#### **Assembly Sequence**









**Fabricate** 

**Erect & Fabricate** 

**Cladding & Flashings** 

**Finished Product** 

#### **KWIKTECH FIXINGS & ACCESSORIES**

ITEM	QUANTITY	ITEM	QUANTITY
Post Connector (KT-P-001)	0	10G x 16 Self Drilling Wafer Head Screw	600
Universal Connector (KT-P-002)	60	M6 x 40 Socket Head Cap Screw - Zinc	60
Rail Inserts (KT-P-003)	54	M6 x 20 Hex Head Bolt - Galv	0
60° Rail Inserts (KT-P-004)	6	M6 Nut - Galv	0
Star Picket Guide (KT-P-005)	0	Kwiktech 2mm Displacement Plate	12
Post Cap (KT-P-006)	0	Right Angle Bracket - Zinc	2
Tension Strapping 0.8 x 30 x 85mm	12	Assembly Wedge - Rubber	1
Tension Strapping 0.8x 30 x 95mm	12	10G x 16 Self Drilling Small Head Flat Top Screw	130
Tension Strapping 0.8 x 30 x 135mm	0		
Tension Strapping 0.8 x 30 x 250mm	4		

#### **HOLLOW METAL**

ITEM	TOTAL LENGTH
Duragal 75x50x2.0mm	6m
Duragal 50x50x1.5mm	70m
Duragal 38x25x1.2mm	63m

# FOR INFORMATION ONLY

#### **Member Locations**

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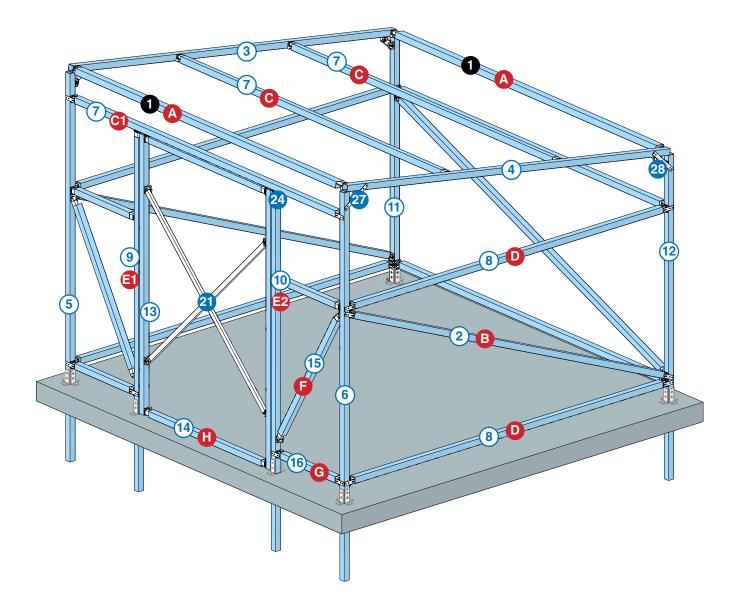
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# Rail Assembly

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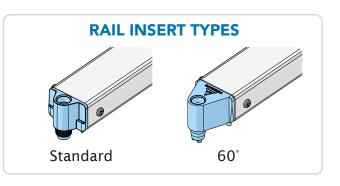
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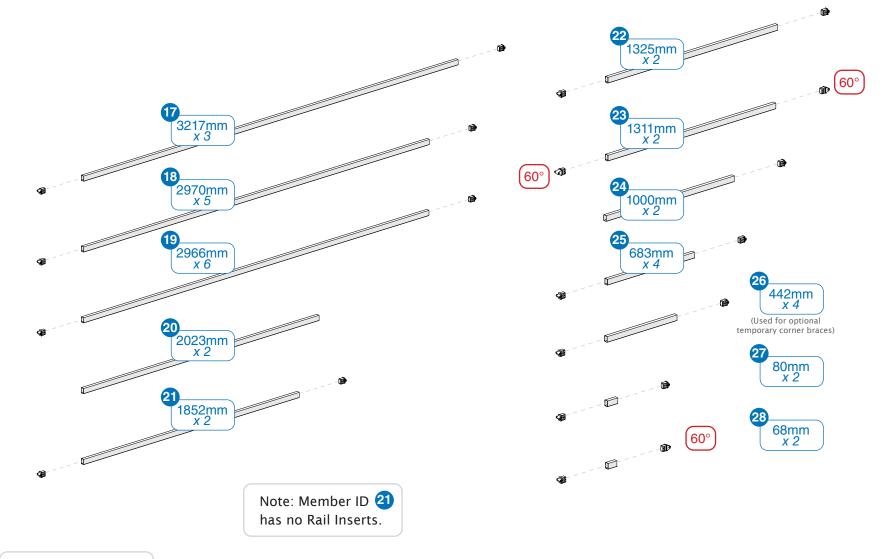
#### Rail Setup

Refer to build guide for assembly details.

All members have a Standard insert unless otherwise noted.

Mark item ID on each member.





Approximate time required: 2 Hours

# Extra Strong Rail Assembly

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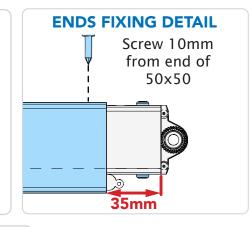
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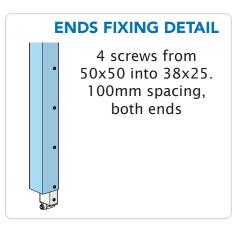
#### Rail Setup

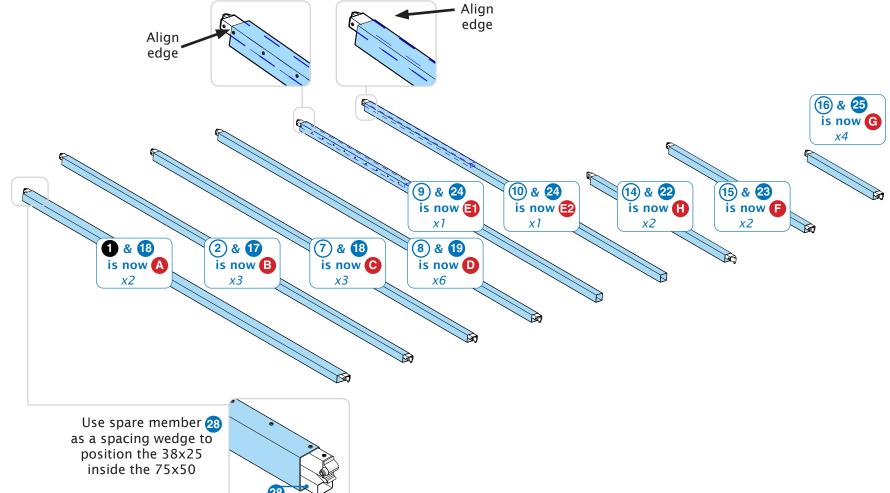
Refer to build guide for assembly details.

Mark assembly ID on each member.

# 38x25 in the Top Left Corner







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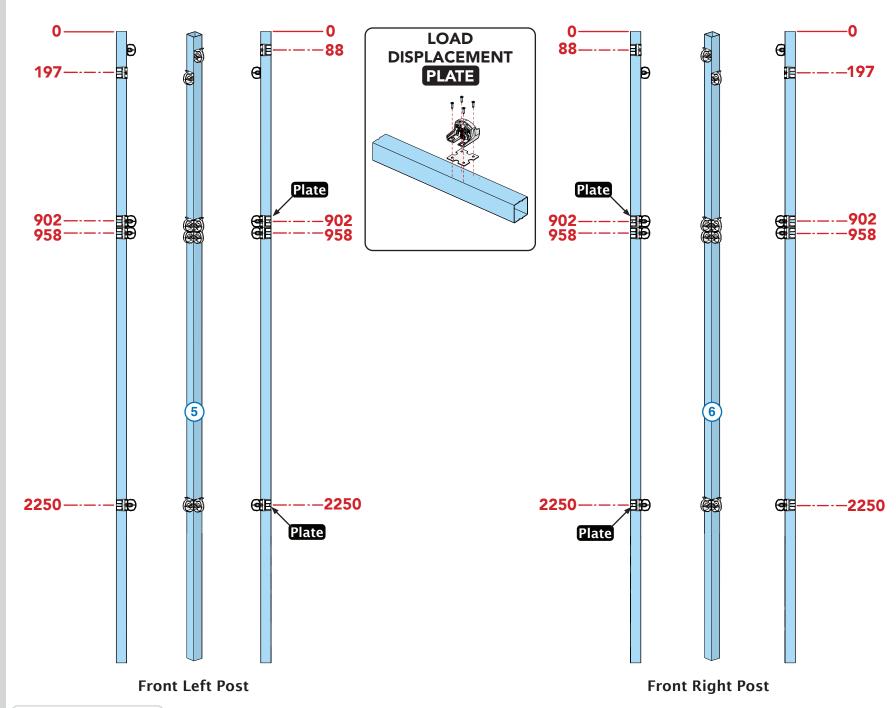
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Approximate time required: 1 Hour

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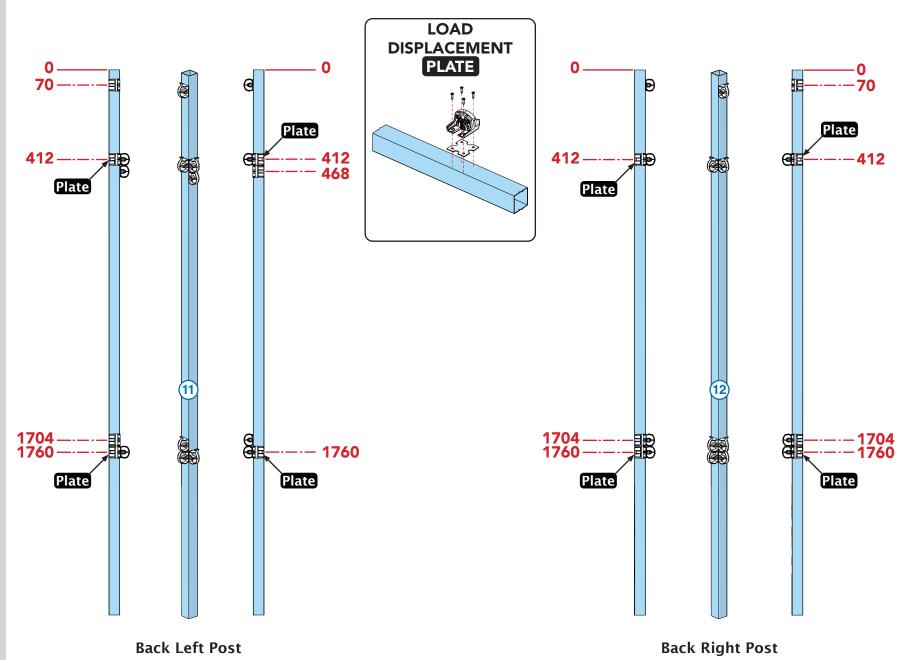
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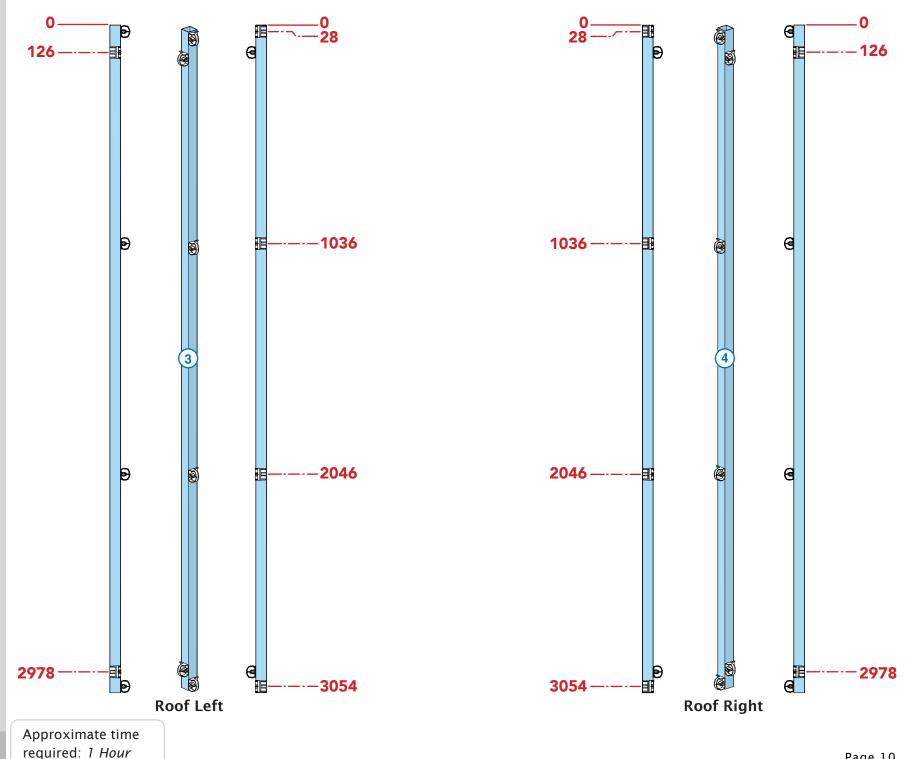
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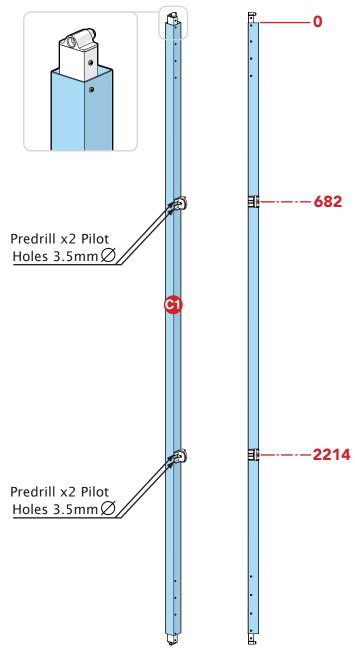
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Front Mounting Member x 1 (Now Label 1)

Approximate time required: 0.5 Hours

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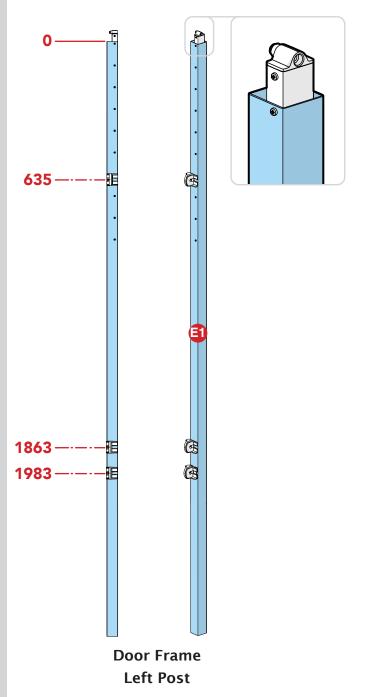
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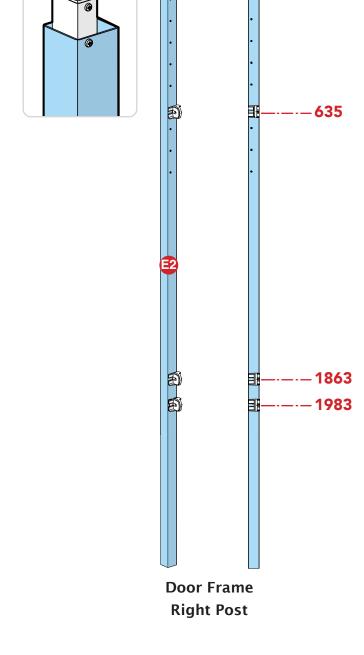
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# **Door Post Stopper**

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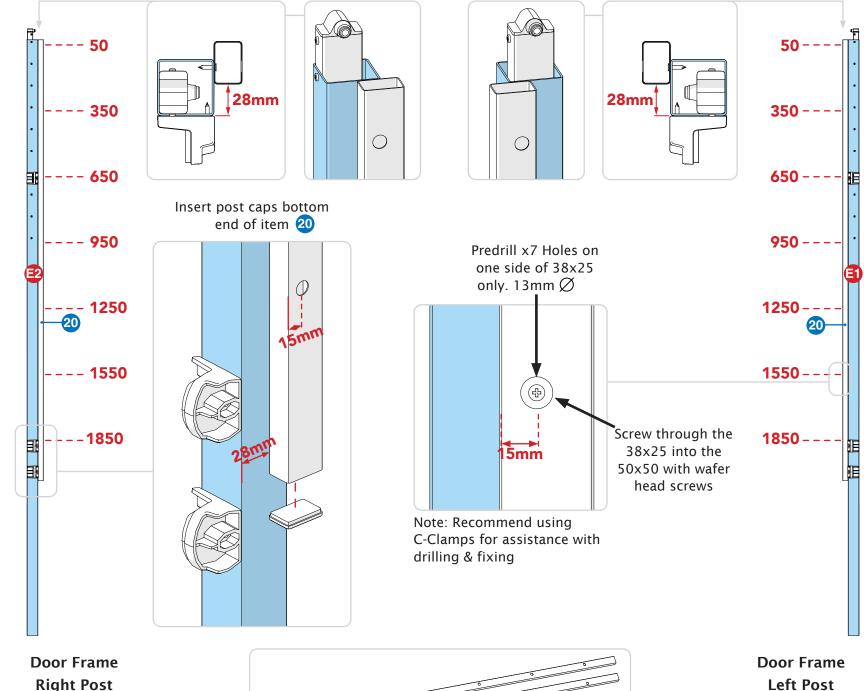
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Pre Drilled Door

Stoppers

Approximate time required: 0.75 Hours Left Post

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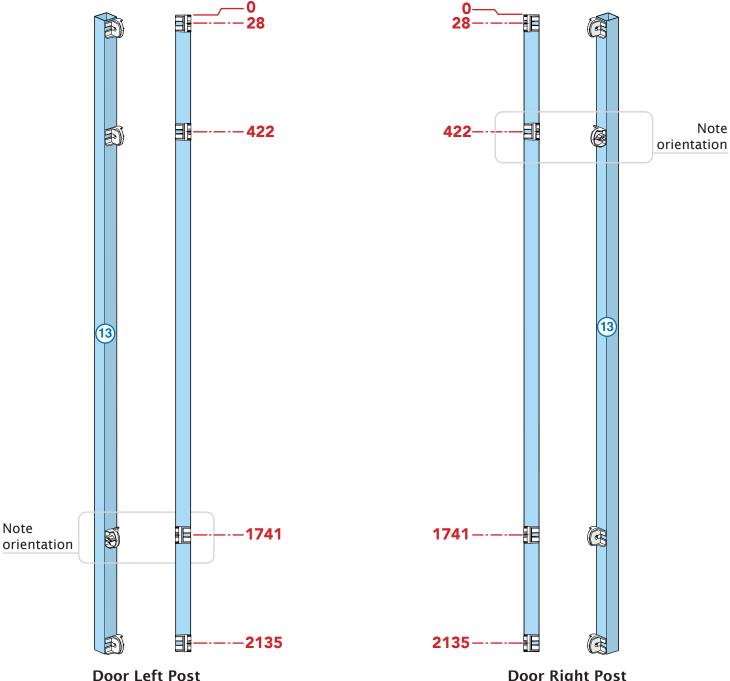
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Note



# Ground Fixing Details

2.45m x 3m x 3m Shed Region A

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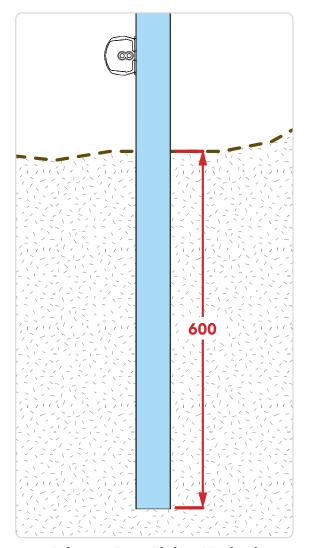
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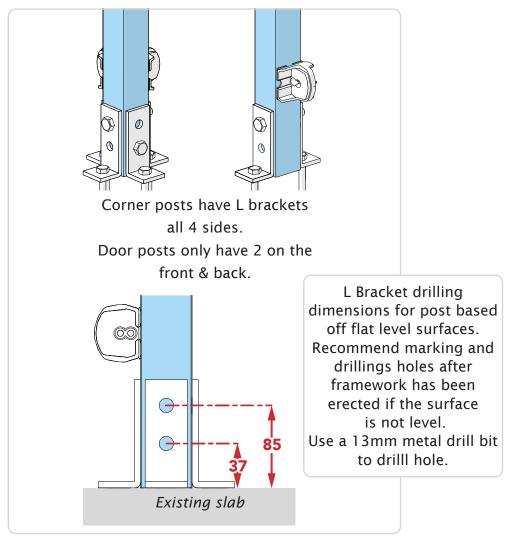
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Primary Post Fixing Method 600mm embedment into ground x either 450mm diameter OR 400mm square hole.

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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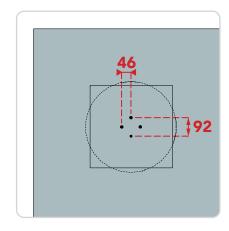
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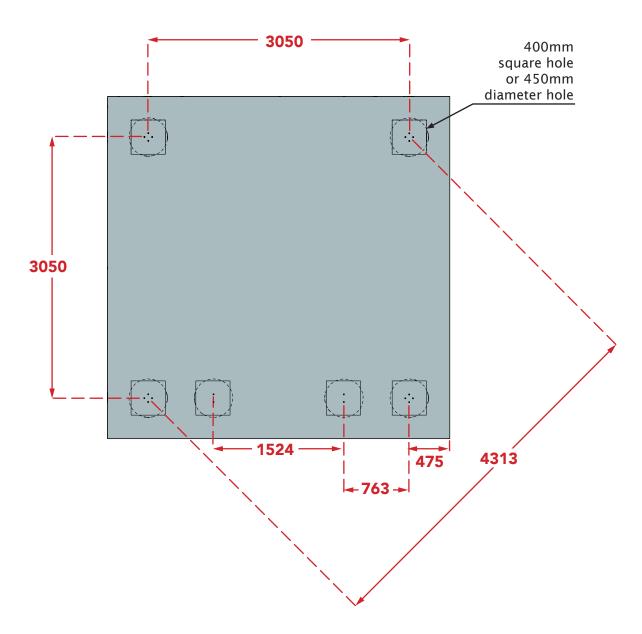
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#### **Hole measurements**

All measurements from center of hole



Right Angle Bracket Holes
Measurements from center
of hole to center of right
angle bracket holes



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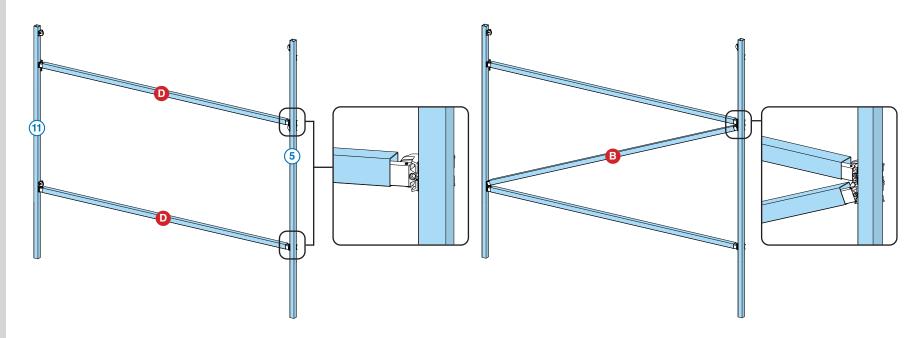
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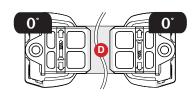
#### **Build Left Wall**

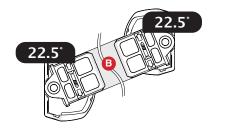
Construct on the ground. (Images show frames upright for clarity)

Step 1
Attach 2 rail items below

Step 2
Attach the rail below







Approximate time required: 0.25 Hours

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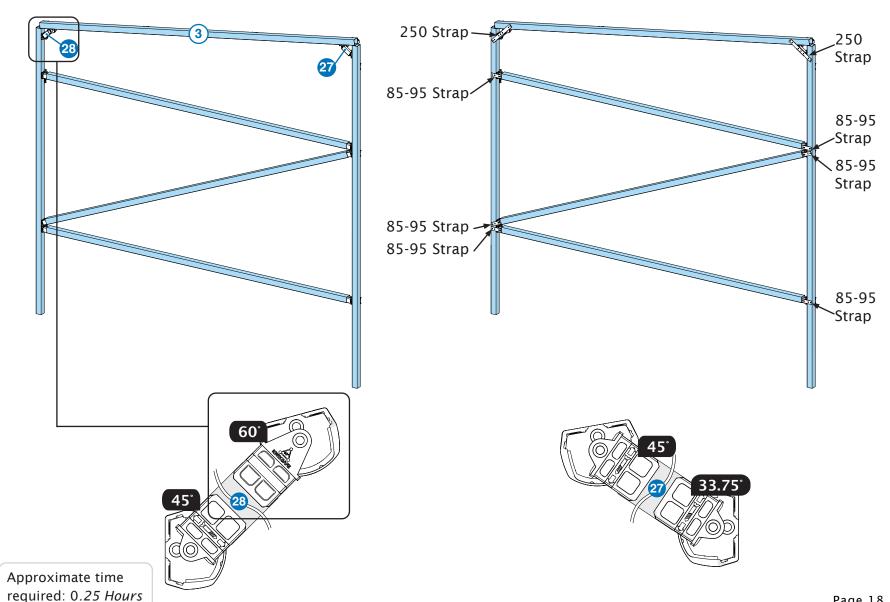
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#### **Build Left Wall**

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

Step 3 Attach 3 rail items below

Step 4 Fix tension strapping to framing



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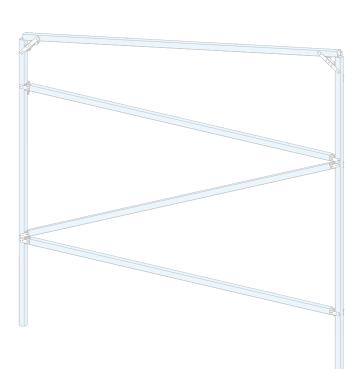
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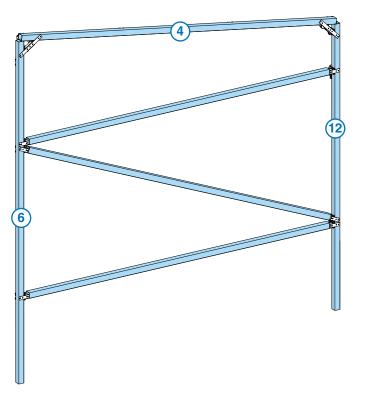
#### **Build Right Wall**

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

Step 5
Left wall finished



**Step 6**Repeat previous steps for right wall



Approximate time required: 0.5 Hours

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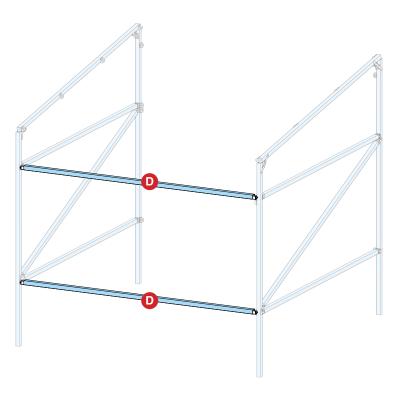
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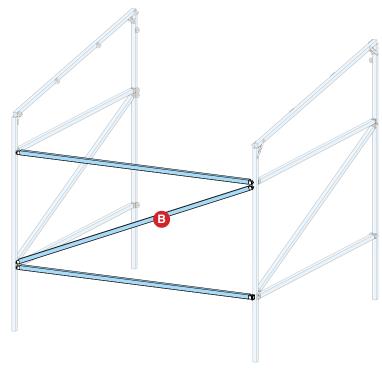
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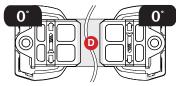
#### Fix Walls Together with back members

Step 1 Attach 2 rail items below



Step 2 Attach the rail below







Approximate time required: 0.25 Hours

2.45m x 3m x 3m Shed Region A

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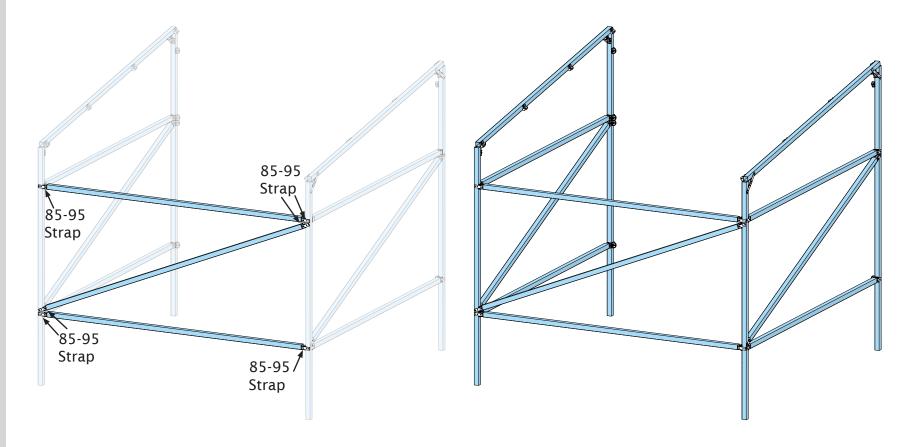
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**Step 3**Fix tension strapping to framing

Finished Back & Sides



Approximate time required: 0.25 Hours

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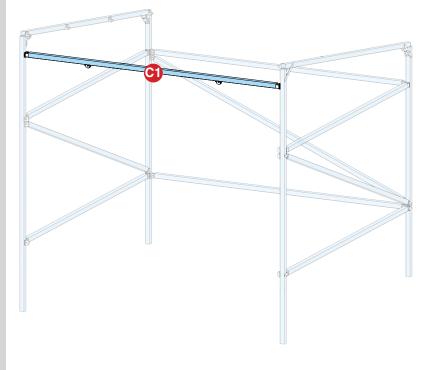
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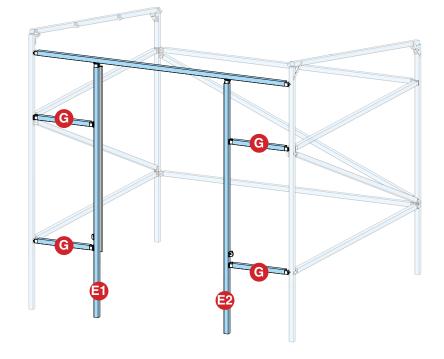
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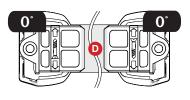
#### Fix together with Front

**Step 1** Attach the rail below

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











Approximate time required: 0.5 Hours

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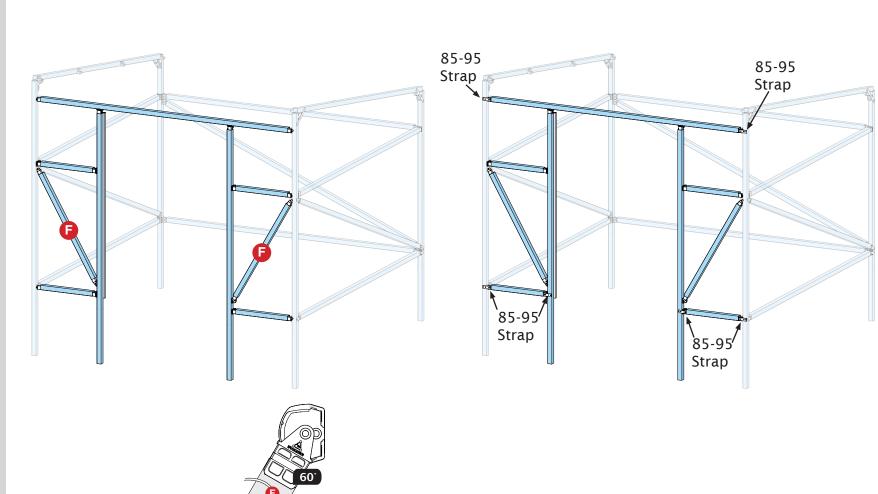
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#### Fix together with Front

**Step 3**Attach 2 rail items below

**Step 4**Fix tension strapping to framing





## Temporary Corner Stiffners

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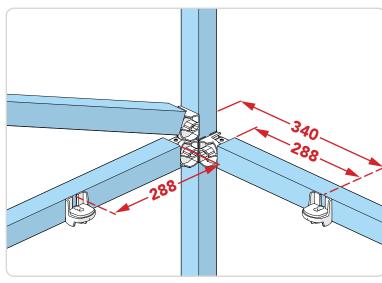
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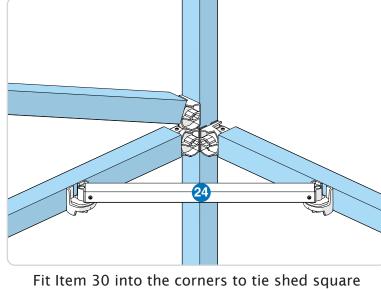
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Optional Bracing if DIY frame kit was purchased.

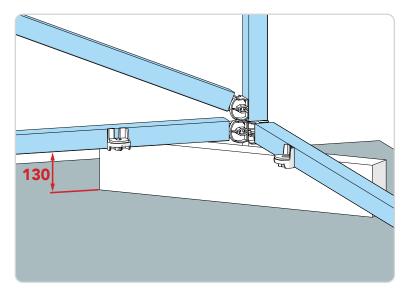
#### Optional temporary base corner stiffners



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

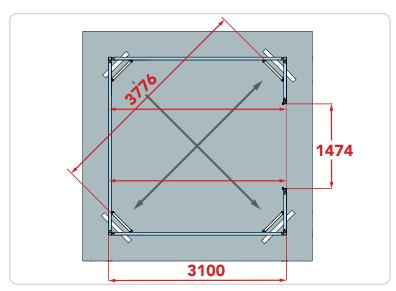


Fit Item 30 into the corners to tie shed square before ground fixing. Once secured to ground, remove these baces & the universal connectors.



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.

#### Tie square with Roof

# **Assembly Sequence**

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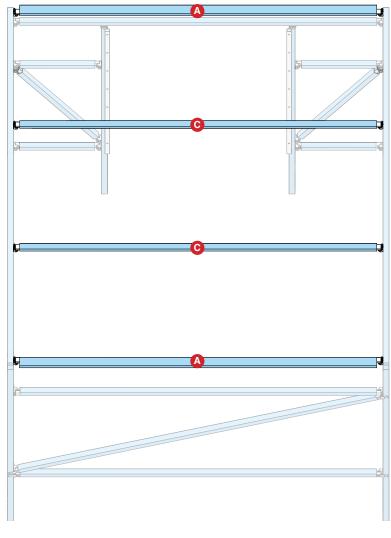
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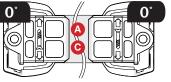
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Approximate time

required: 0.25 Hours

Step 1
Attach 4 rail items below





## **Flashing Types**

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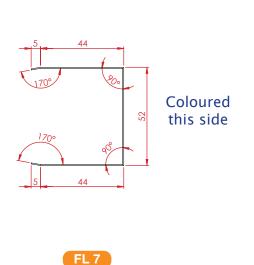
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All dimensions are in millimeters (mm)

Coloured this side 80° for FL2 FL 2 FL 5 FL 3 3170mm 2450mm

1940mm 0.42 BMT 0.42 BMT QTY: 2 OTY: 2

Coloured this side Coloured this side FL 4 FL 6 3150mm 2172mm 0.42 BMT 0.42 BMT QTY: 1 QTY:2



0.42 BMT

QTY: 1

2165mm 0.42 BMT QTY: 2

FL 1

3310mm

0.42 BMT

QTY: 2

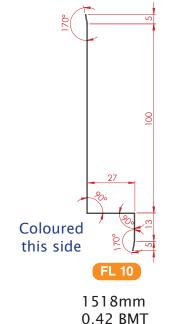
Coloured this side FL 8

1590mm

0.42 BMT

QTY: 1

FL 9 40mm 1.2 Galv QTY: 1



QTY: 1

#### **Door Assembly**

2.45m x 3m x 3m Shed Region A

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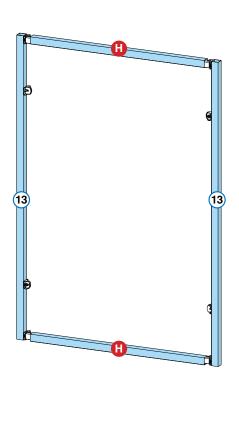
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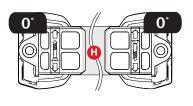
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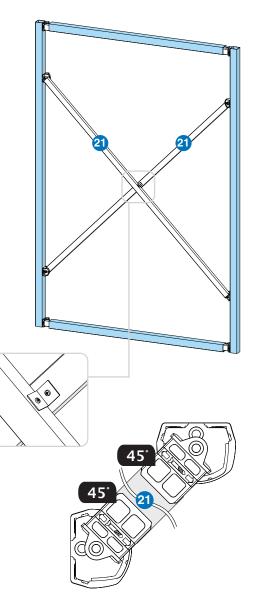
Step 1 Attach 2 rail items below



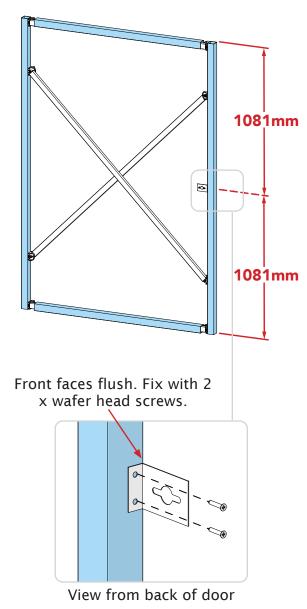


Approximate time required: 0.5 Hours

Step 2 Attach 2 rail items below



Step 3 Fix handle plate to post



#### **Door Assembly**

2.45m x 3m x 3m Shed Region A

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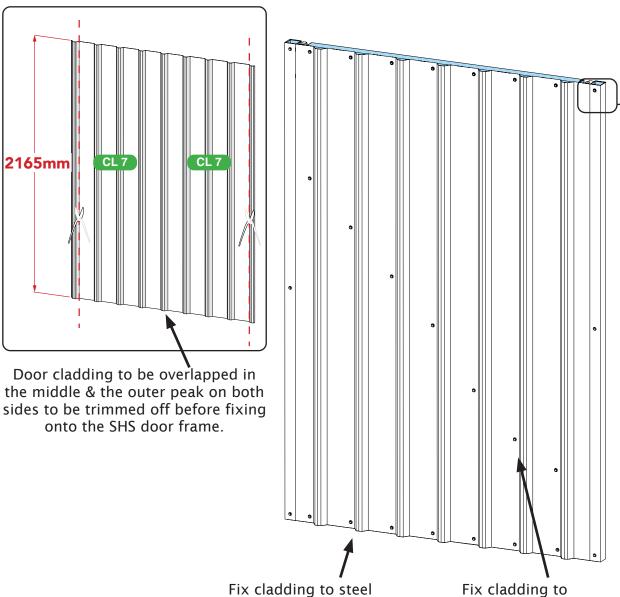
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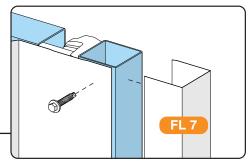
**Step 4** Attach cladding & flashings



horizontally top & bot-

tom with 10gx16mm Tek

screws before every peak



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

Approximate time

required: 0.5 Hours

Fix cladding to diagonal brace with 10gx16mm Tek screws before every peak

Page 28

#### **Door Assembly**

2.45m x 3m x 3m Shed Region A

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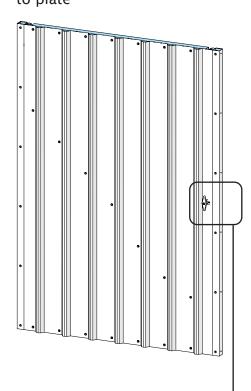
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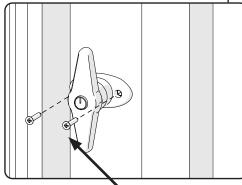
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**Step 5**Fix handle through cladding to plate



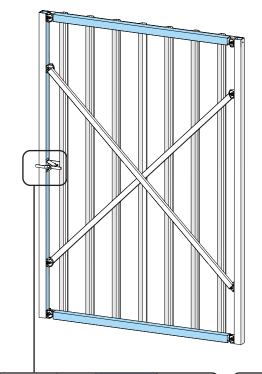


Fix as per manufactures instructions

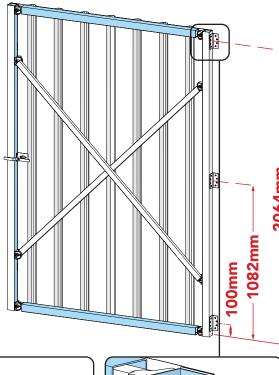
Approximate time required: 0.75 *Hours* 

Step 6

Loosely attach door latch & fit FL 9 in place.

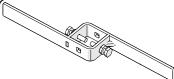


Step 7
Attach hinges to door post

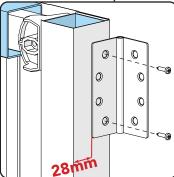


FL 9

Tighten screw after door is fitted to frame. Refer to page 38. Fix FL 9 in place with 2 10gx16mm tek screws top & bottom.



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



Fix hinges in place with 2 x wafer head screws

2.45m x 3m x 3m Shed Region A

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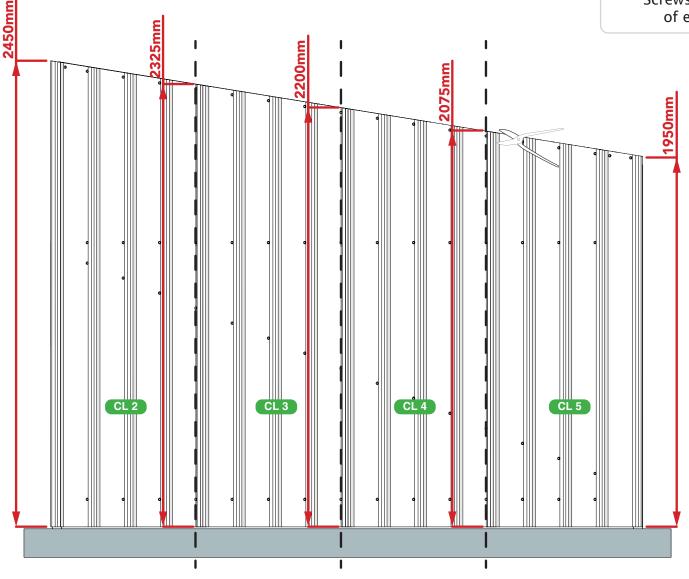
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Approximate time required: 2 Hours

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



Left & Right Walls

Note: CLD2 - CLD5 need to be trimmed to suit slope of roof



Under peak always on the **left** side of each sheet when fixing to framework.



Over peak always on the right side of each sheet when fixing to framework.



**Peak Connection** 

2.45m x 3m x 3m Shed Region A

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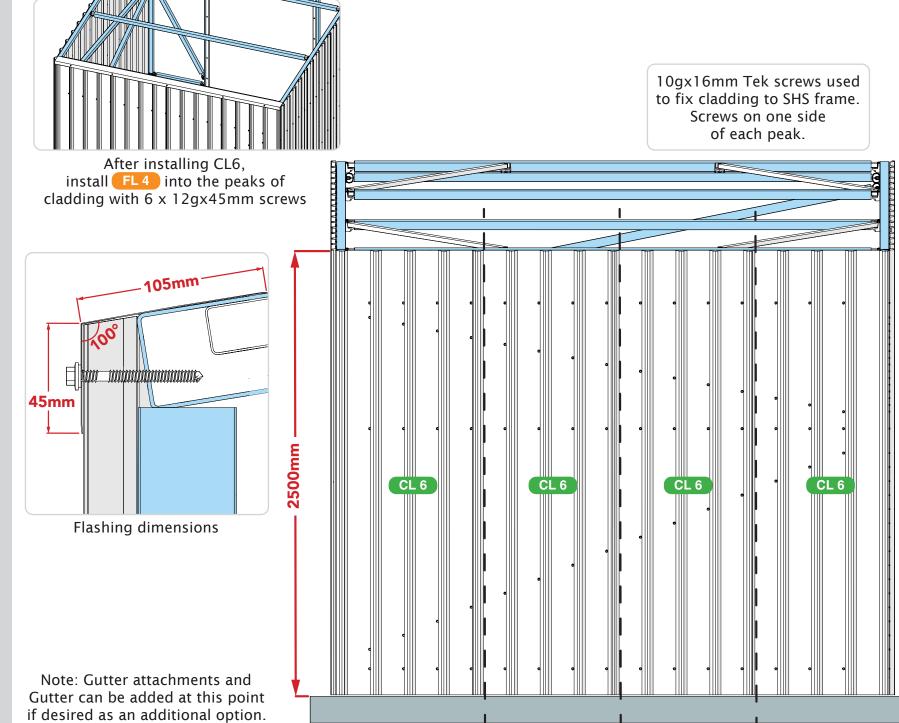
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Approximate time

required: 1 Hours



**Back** 

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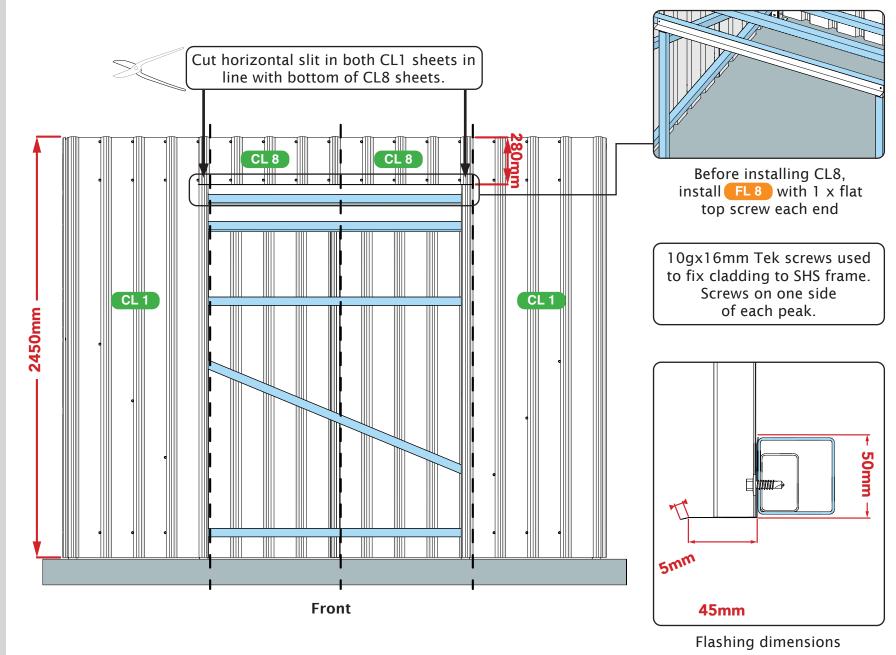
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Approximate time required: 1 *Hour* 

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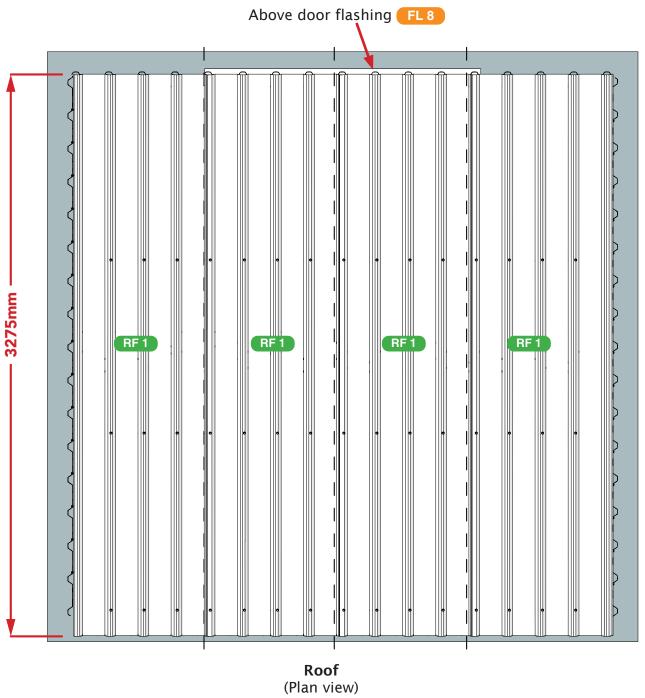
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12gx45mm tek screws used to fix cladding to SHS frame. Screw through the peaks.

# Internal Above Door Flashing

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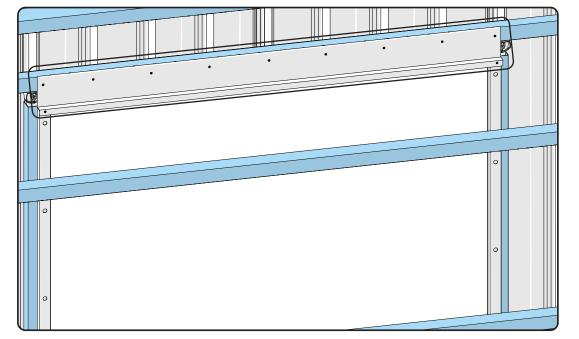
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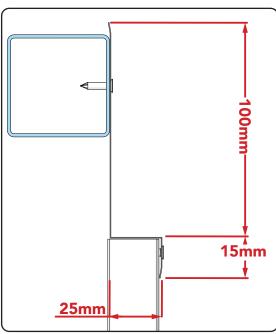
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9 x 10gx16mm Self-Drilling flat top screws used to fix FL 10 to SHS frame. Screws inline with center of each peak. Ends of FL 10 to be flush with outer face of door stoppers. Then fix to the door stoppers with 1 Self-Drilling flat top screw each end.



Flashing dimensions

Approximate time required: 0.25 *Hours* 

2.45m x 3m x 3m Shed Region A

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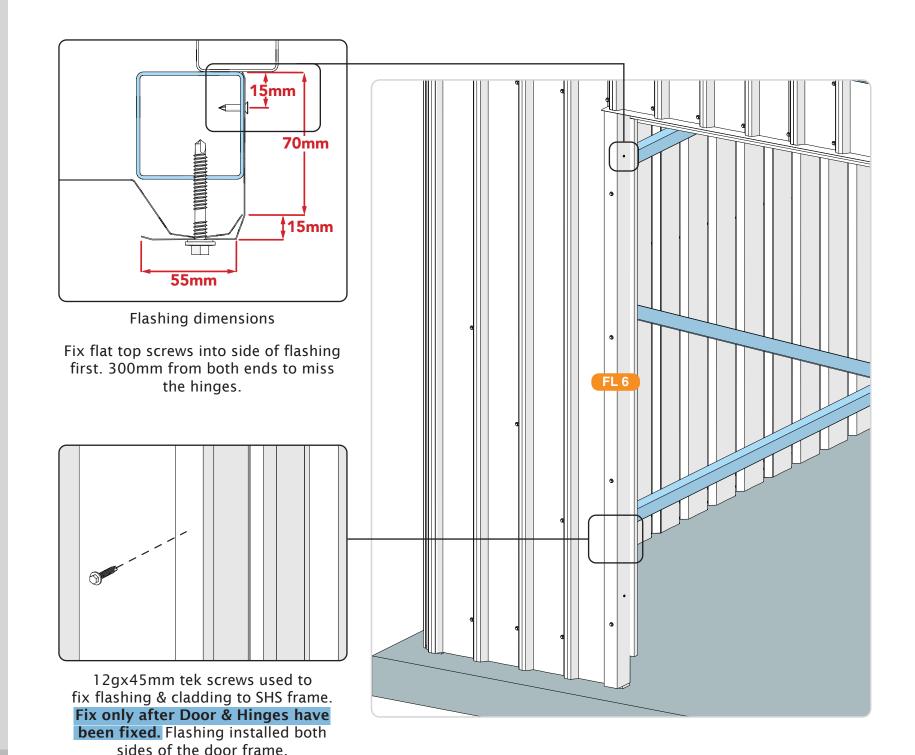
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#### **Door Install**

2.45m x 3m x 3m Shed Region A

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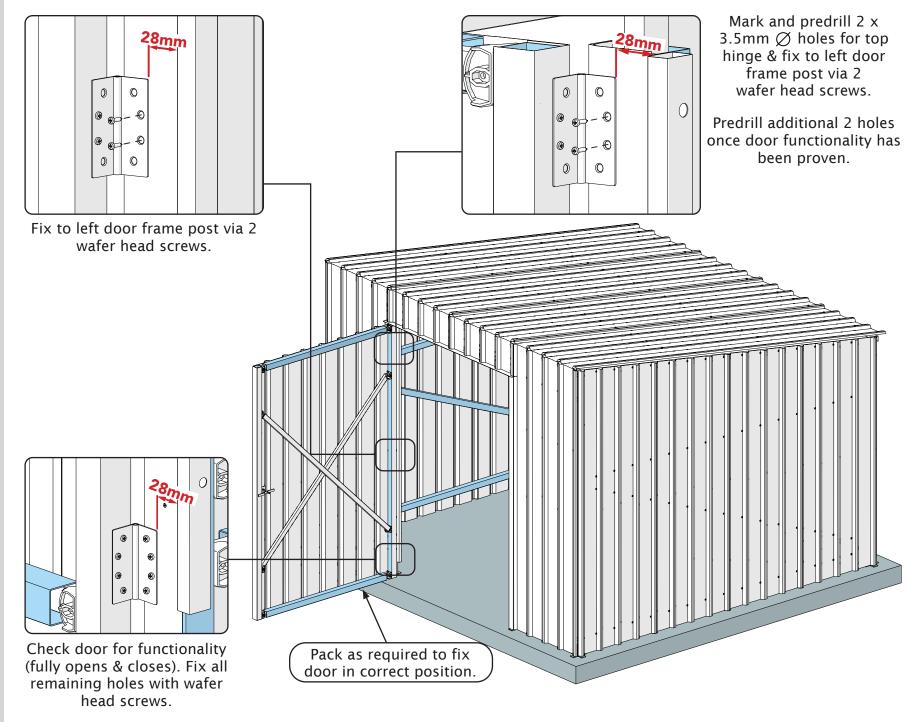
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Approximate time required: 0.5 *Hours* 

# **Flashings**

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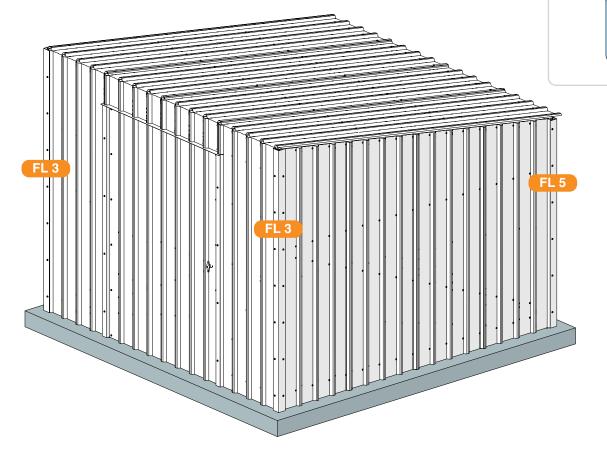
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All dimensions are in millimeters (mm)

**Step 1**Install front & back corner flashings



Flashing dimensions

-75mm

75<sub>mm</sub>

FL 3

Bottom fixing in line with cladding fixings. 14 x 12gx45mm screws @ 400mm vertical centers to secure the flashing to the cladding & SHS frame.

FL 5

Bottom fixing in line with cladding fixings. 12 x 12gx45mm screws @ 400mm vertical centers to secure the flashing to the cladding & SHS frame.

Back left FL 5 hidden due to view. Install in the same way.

# **Flashings**

2.45m x 3m x 3m Shed Region A

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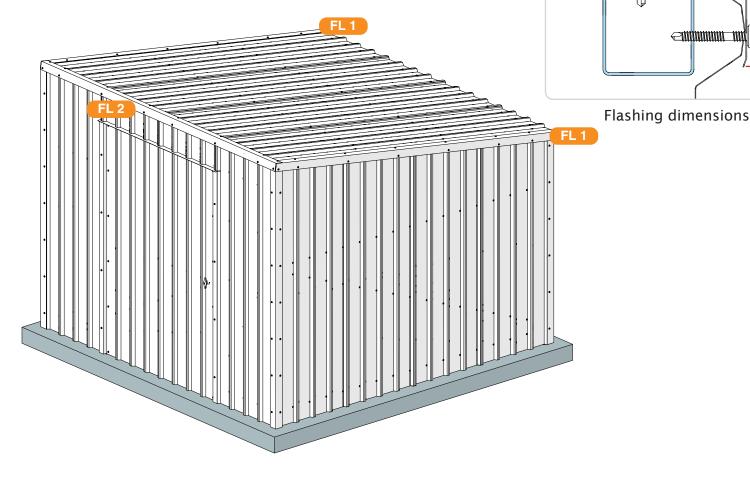
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All dimensions are in millimeters (mm)

Step 2 Install top side flashings & then peak flashing



12 x 12gx45mm screws every third peak to secure the flashing to the cladding & SHS frame. Secure on the sides & roof.

12 x 12gx45mm screws every third peak to secure the flashing to the cladding & RHS frame. Secure on the front & roof.

-75mm

75<sub>mm</sub>

# Potential Sheds

2.45m x 3m x 3m Shed Region A

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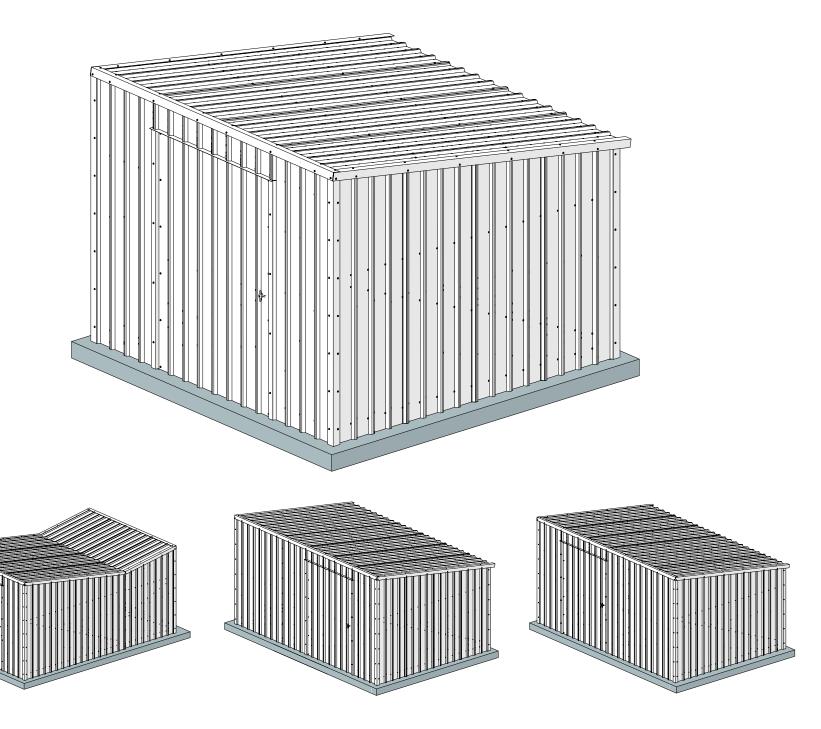
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Shed extension images for example only.
Shed extension options require engineering to determine rating.

#### Shed Frame Blueprint Front

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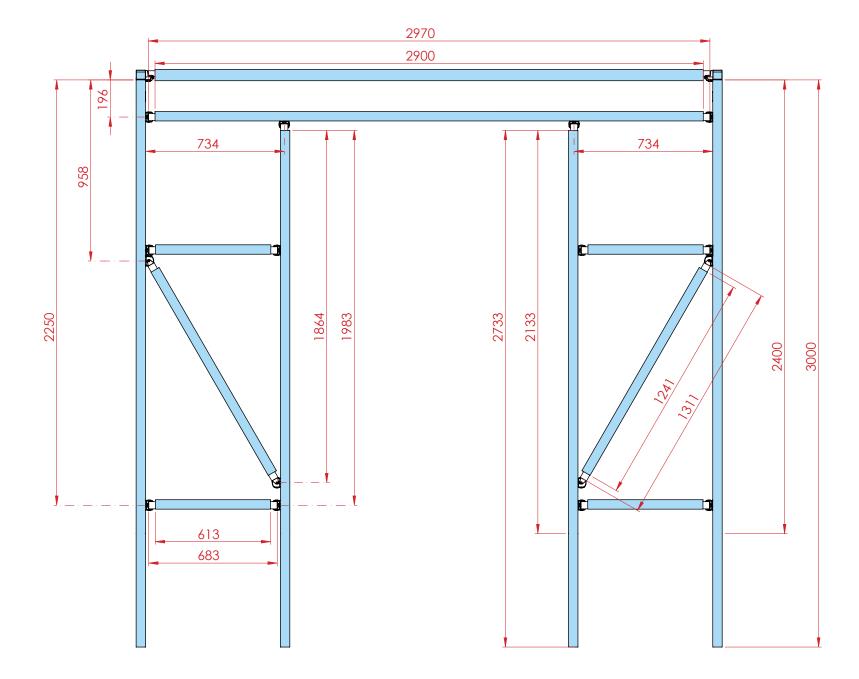
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#### Shed Frame Blueprint Door

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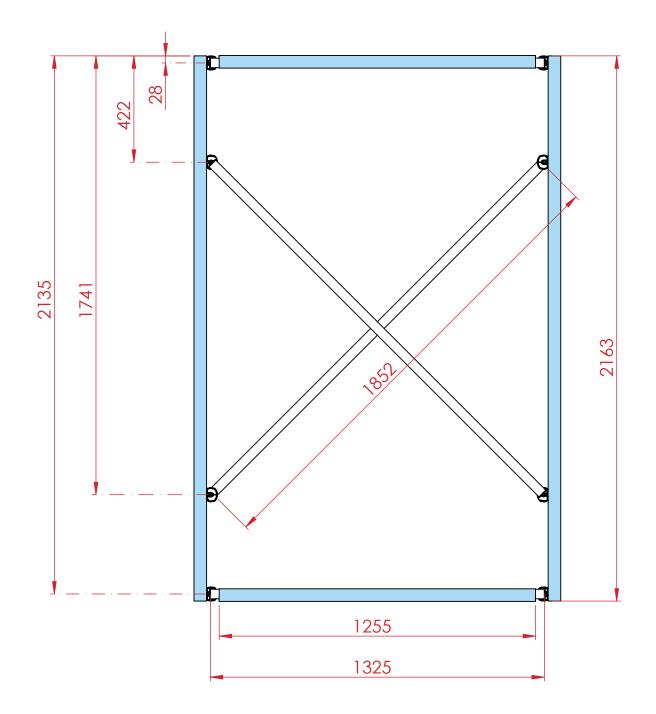
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#### Shed Frame Blueprint Sides

2.45m x 3m x 3m Shed Region A

User Manual

Read in conjuction with Kwiktech Build Guide and Kwiktech Tips & Tricks

Designed by



Engineered by



Rating: Region A

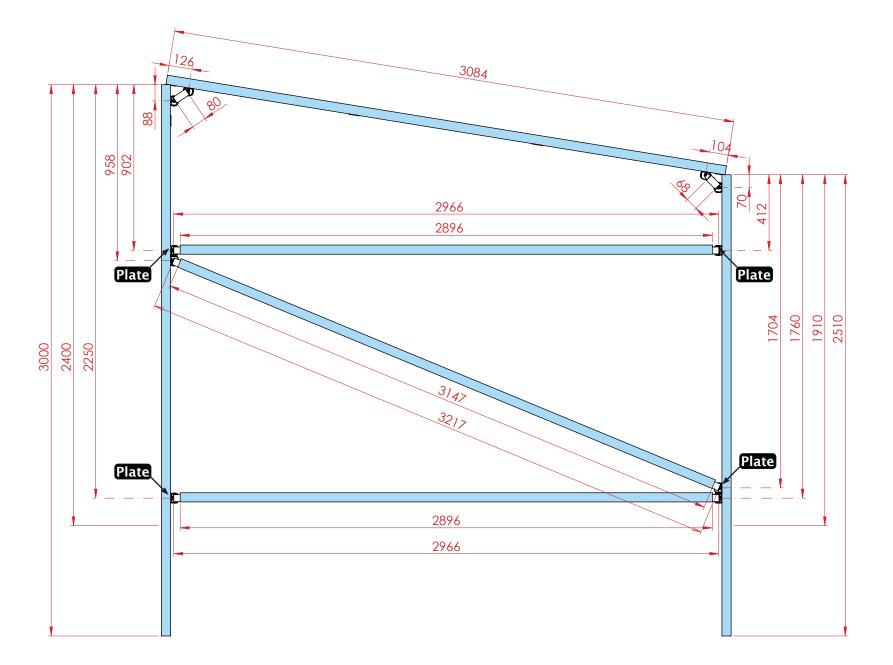
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# Shed Frame Blueprint Back

2.45m x 3m x 3m Shed Region A

User Manual

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Designed by



Engineered by



Rating: Region A

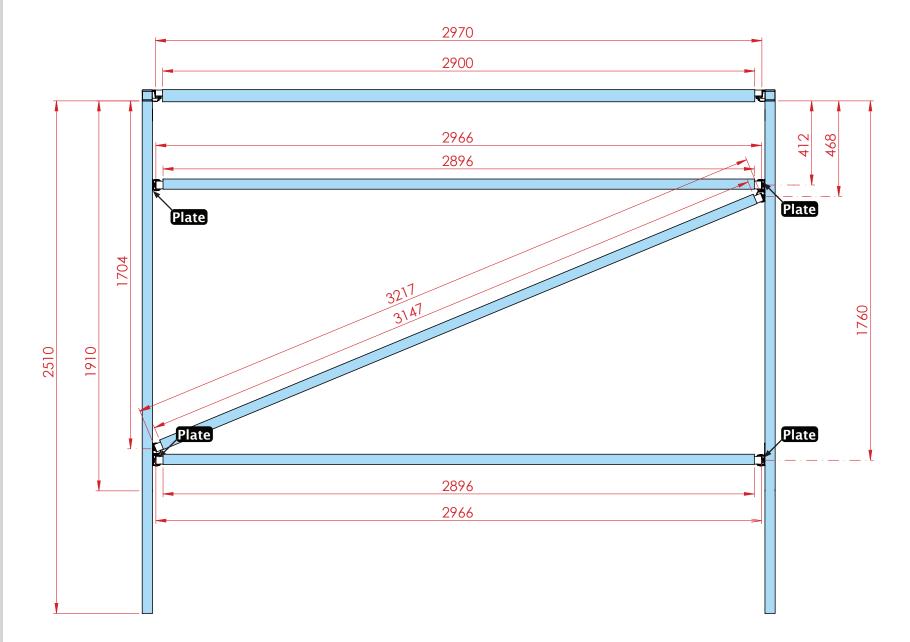
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# Shed Frame Blueprint Roof

2.45m x 3m x 3m Shed Region A

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