Quality - Built In

ASSEMBLY INSTRUCTIONS

DKL2517-SS

BASE SIZE 2545mm x 1715mm

Tools Required:

- Drill
- Drill Bit 3.5mm
- Drill Bit 6mm (for clear roof panel only)
- Hex Drive 5/16
- Riveter
- Hammer
- Nail Punch
- Tape Measure
- Ladder or Saw stool
- Spanners x 2
- String Line
- Tin Snips
- Skillsaw and Jigsaw (for floor only)
- Masonry Drill and 10mm Masonry Bit (for Bolt Down Kit only)

Before you start:

- Read all instructions carefully.
- Identify all parts and check quantities against checklist.
- If you are making your own floor refer to Raised Base Plate section now.

Safety:

- Do not attempt to build your shed in high winds.
- Beware of sharp edges.
- Protect your eyes and ears.
- Use electric tools with care. Use a Safety Trip Switch.
- It is easier and quicker if this shed is erected by two people.

Select your site:

- Your shed must be level. Achieve this by either levelling the ground or by using blocks.
- If you shed is to be positioned on wet or damp ground, we recommend that your shed is raised up off the ground slightly.

Duratuf SHEDS
KIWI

ROOF COLOUR [   ]   WALL COLOUR [   ]   INVOICE NO: [   ]

STANDARD SHED KITSET

QTY	LENGTH	DESCRIPTION	PACKED	CHECKED
9	1.890m	Wall Sheets	☐	☐
3	1.955m	Roof Sheets	☐	☐
1		Instruction Booklet	☐	☐
1		Door - Standard ☐ Security ☐	☐	☐
1		Duratuf Riveter	☐	☐
1		Hardware Pack	☐	☐
		Touch-up Paint & Brush	☐	☐

OPTIONAL EXTRAS

QTY	LENGTH	DESCRIPTION	PACKED	CHECKED
106	50mm	Flooring Nails	☐	☐
6	75mm	Flooring Nails	☐	☐
WINDOWS				
		Fixed Window Frame	☐	☐
	0.580m	Glaze Beads	☐	☐
	0.603 x 0.603m	Glass	☐	☐
		Louvre Window Frame	☐	☐
	0.588 x 0.150m	Glass	☐	☐
1		Window Hardware Pack	☐	☐
CLEAR ROOF PANEL				
	1.950m	Clear Roof Panel	☐	☐
	1.950m	Roof Sheet	☐	☐
SECURITY PARTS				
		Security Single Door Hardware Pack	☐	☐
		Alarm - MA20	☐	☐
		Shed light	☐	☐
		Bolt Down Kit	☐	☐
		Peg Down Kit	☐	☐

DATE: /   /

Total Weight   kg

PACKED BY:

CHECKED BY:

90x45 centre ridge beam

140x45 ridge beam

RED

RED

RED

YELLOW

YELLOW

YELLOW

YELLOW

YELLOW

YELLOW

GREEN

GREEN

GREEN

GREEN

1.810

1.715

2.545

END WALLS

95mm

47mm

45mm

140mm

790mm

790mm

883mm

45mm

883mm

1715mm

FRONT WALL

2545

45

785

45

795

45

785

45

140

883

45

1945 (or 1915 for Raised Base Plate only)

45
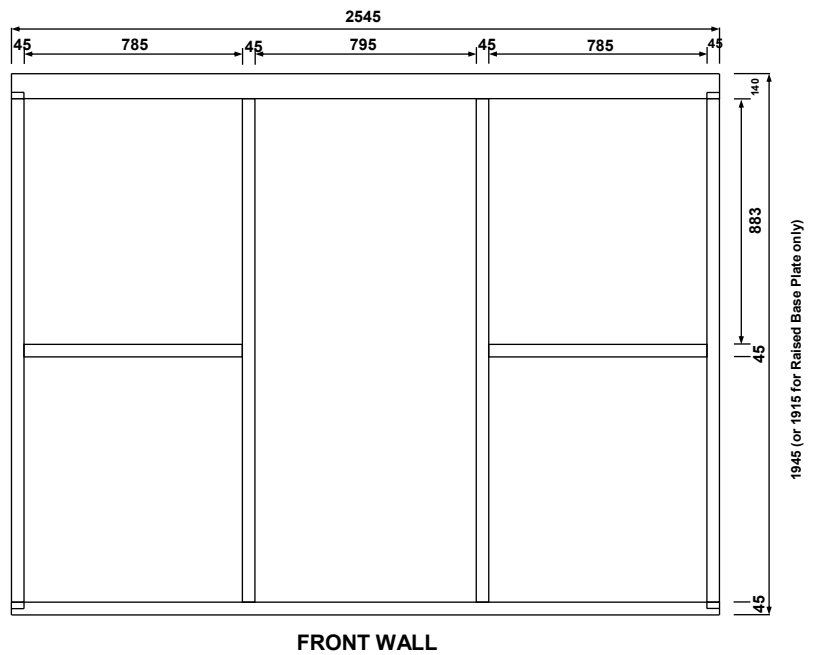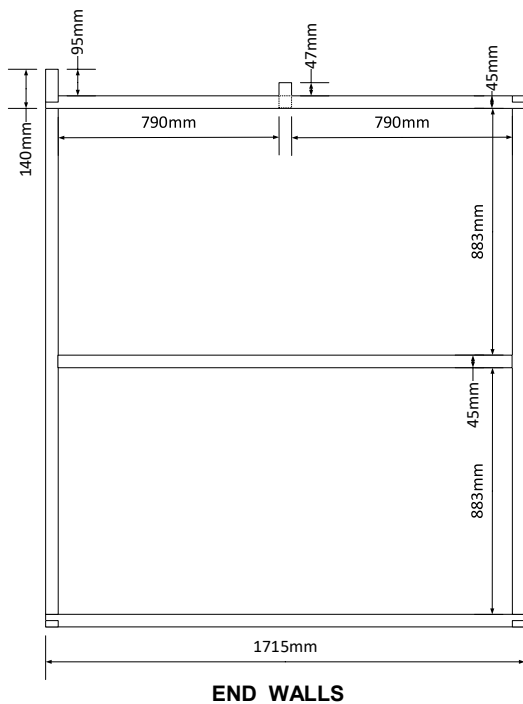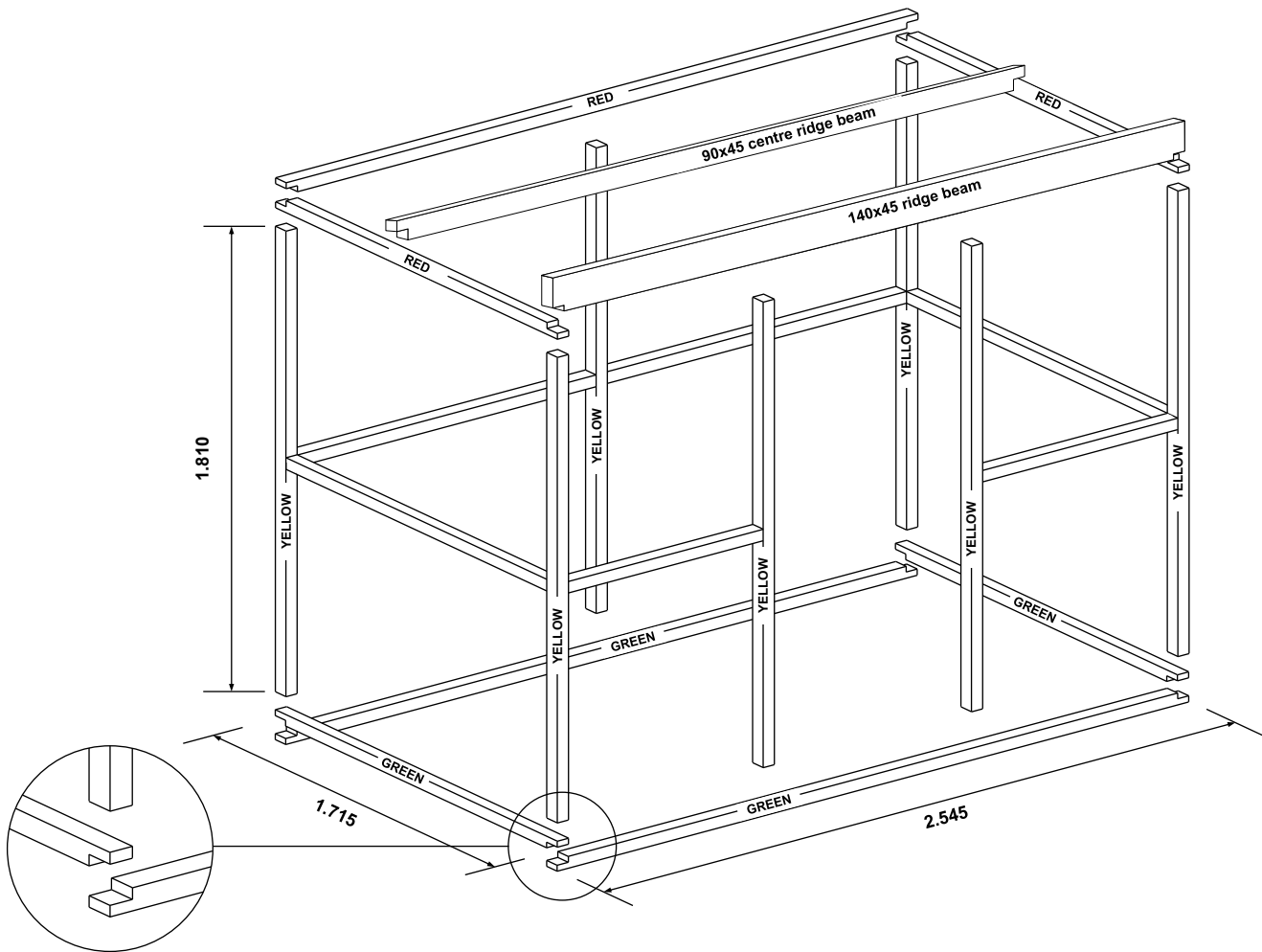
Note: For sheds with the **Raised Floor Modification** option the studs will be 1.780m long to allow the Wall Sheets to protrude 20mm below the Bottom Plate. Refer to Raised Floor Modification section (Page 15).

Note: If fitting a window in the Back Wall, there will be no centre stud on that side. Instead nail in a full length Nog (2.455) using Window Studs (.883) to get correct height. Position one Window Stud centrally beneath the Nog and nail in place. Further window studs and Nogs are fitted after the cladding is on.

Step 1: End Walls: Select one 1.715m End Base Plate (Green), one 1.715m End Top Plate (Red) and two Studs (Yellow). Lay out Plates and two Studs on a flat surface and nail together using two 75mm nails per join. Position 1.625m Nog .883m down from Top Plate and nail in place. Repeat with other end wall.
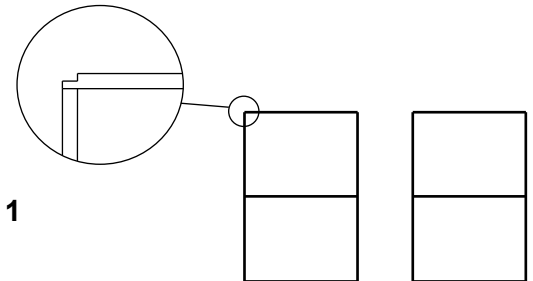

Step 2: Select one 2.545m Base Plate (Green), one 2.545m Top Plate (Red). Stand up End frame with the Stud side of the frame on the ground. Nail 2.545m plates to frame using two nails per join. Ensure Green joins to Green and Red joins to Red. Repeat with other end frame. Nail in back wall centre stud using 1.205m Nogs to get correct position. Position Nogs .883m down from Top Plate and nail in place.
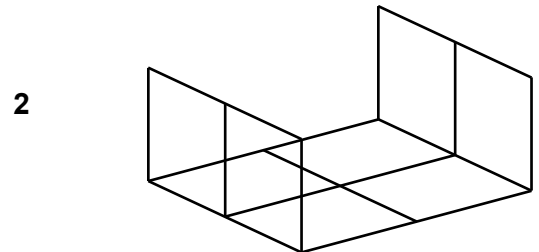
Step 3: Select one 2.545m Base Plate (Green) and the Ridge Beam (90 x 45). Nail in place. Ensure Green joins to Green.
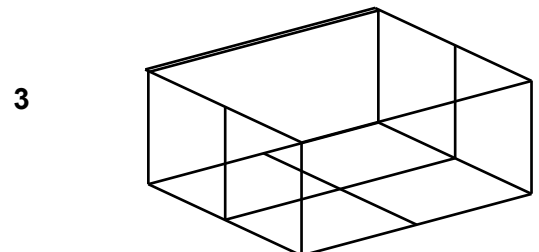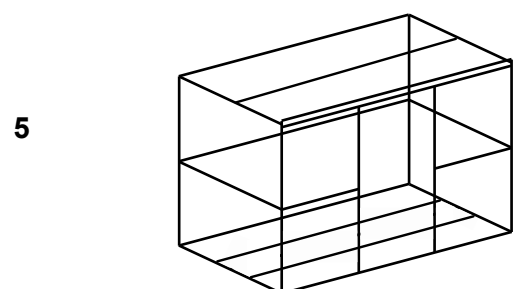

Step 4: Carefully roll the frame over so that the Ridge Beam and Base Plate (Green) are on the ground. Select two studs (Yellow) and two .785m Nogs. Nail in Studs using the .785m nogs to get the correct position top and bottom. Position nogs .883m down from the Top Plate and nail in place.
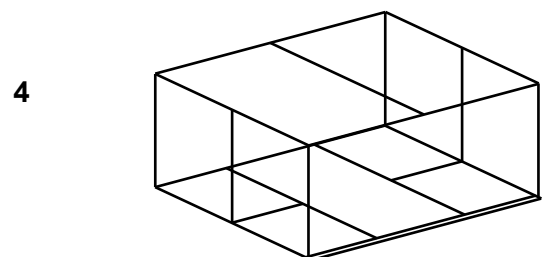
Step 5: Carefully roll frame over onto its base and fit the centre ridge beam in the centre on top of the side walls.

If fitting a Kiwi Floor, fit the floor Joists now. Space the joists equally and nail in place using three 75mm nails per end.

TO AVIOD CORROSION:

- Where at all possible try not to trap metal filings between two sheets. Remove all metal filings before riveting.

- Carbon in pencils reacts with the Zinc/Aluminium coating on steel. Use either crayon or ink to mark steel.

TERMS EXPLANATION

- **To Tack:** To Tack on a wall sheet means to use minimum nails hammered partly in to hold Wall Sheets in position. Should a Wall Sheet need to be re-positioned, the nails can easily be prized out.

- If a window is required, identify Wall Sheet(s) with window hole pre-cut. Lean up Wall Sheets where window(s) are to be located.

CLADDING DETAIL
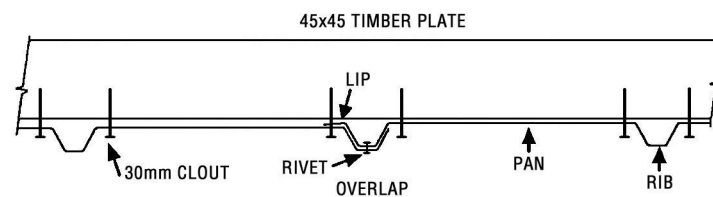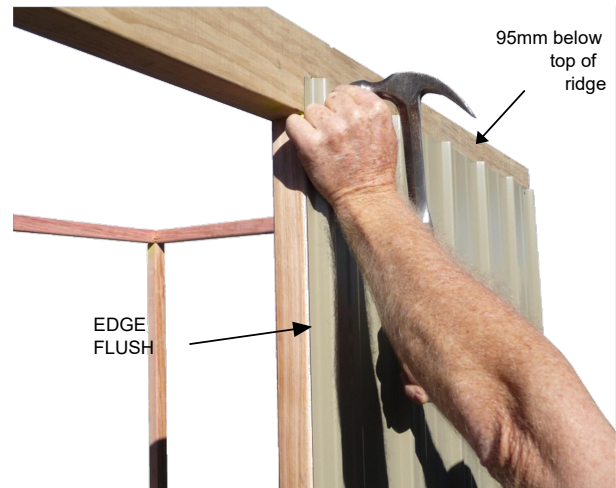**Birds Eye View**

fig. 1

DKL2517-SS ROOF WALL CLADDING

Step 1: Front Wall: Position wall on the right hand side of the doorway with the sheet LIP on the left hand side. Ensure the LIP is flush with the side of the Stud and **the top of the sheet is 95mm below the top of the Ridge Beam,** tack in place.

Note: Centre beam not shown in these images

95mm below top of ridge

EDGE FLUSH

Step 2: Back Wall: Position the first Wall Sheet with the LIP on the right hand side. Ensuring the LIP is flush with the side of the corner Stud and the top of the Wall Sheet is flush with the top of the Top Plate, tack in place. Position the next Wall Sheet with the LIP on the right hand side. Overlap as shown in *fig 1*. Ensuring Wall Sheet is flush with top of Top Plate, tack in place. Repeat with remaining Wall Sheet.

Step 3: End Walls: Position wall sheet with the LIP flush with the side of the stud and the top of the Wall Sheet is flush with the top of the Top Plate, tack in place. Tack in remaining Wall Sheet. Repeat with the other end. If fitting a window, nail in Window Studs and Nog now. Refer to Window instructions.
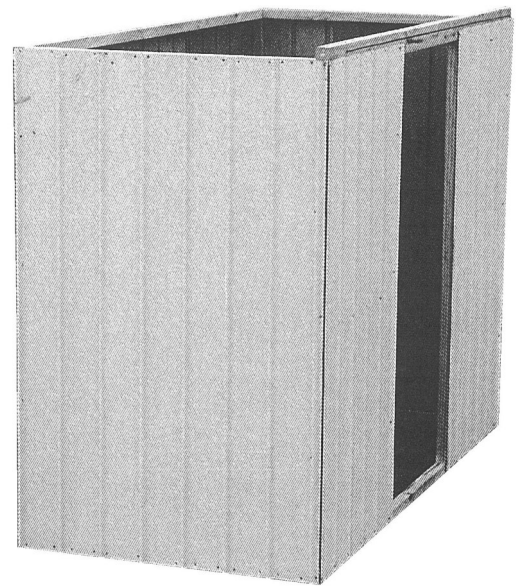
Step 4: Nailing Off: Nail one 30mm Clout each side of the Rib (two per Pan) into the Top Plates and Bottom Plates. Nail Wall Sheets to mid wall Nogs (one per pan). Nail each corner Wall Sheet to Studs using two 30mm Clouts evenly spaced.

LOUVRE WINDOW
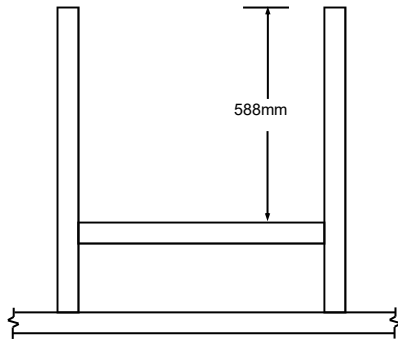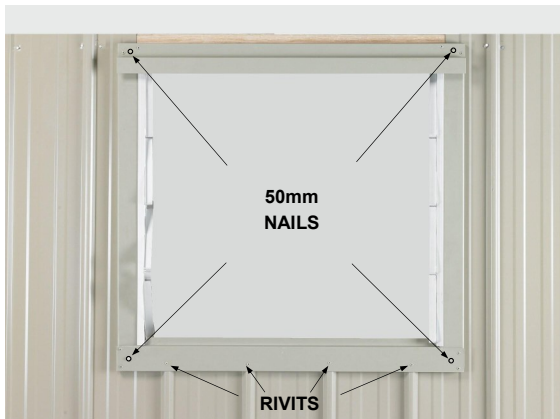

Step 1: Lay out the two window studs (883mm) and Nog (634mm) on a flat surface. Position Nog and nail in place using 2x 75mm nails at each end.

Step 2: On the inside of the shed, position studs and Nog centrally on window opening. Make sure the studs are parallel and nail into Top Plate and End Wall Nog.


Step 3: Nail wall Sheets to window framing using 30mm clouts. (return to step 4 on page 7 and complete). Then fit Window Frame). Position Window Frame centrally on window opening and rivet it to ribs. Pre-drill holes in each corner and nail Window Frame to framing, using 50mm nails.

Step 6: From the inside of the shed, slide Louvre Glass into Louvre Units attached to the Window Frame. Bend up tabs to keep Glass in position.

FIXED WINDOW
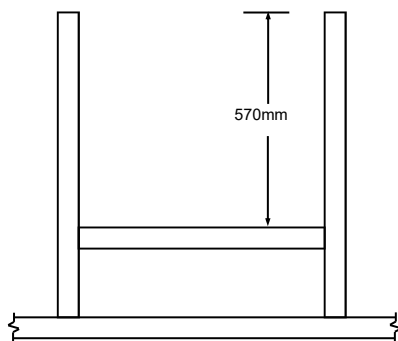
Step 1: Lay out the two window studs (883mm) and Nog (590mm) on a flat surface. Position Nog and nail in place using two 75mm nails at each end.


Step 6: From the outside of the shed, place glass in Window Frame. Attach a Glazing Bead (G100) with three rivets to each side of the Window Frame to hold glass in place. Pre-drilling Glazing Beads is recommended.

Step1: Fit Door Jamb Flashing (104) in between Top and Bottom Plates and hard against Stud. Attach Door Jamb Flashing with three rivets into Rib on the outside and three 30mm clouts into studs on the inside. Repeat with the other Door Jamb.
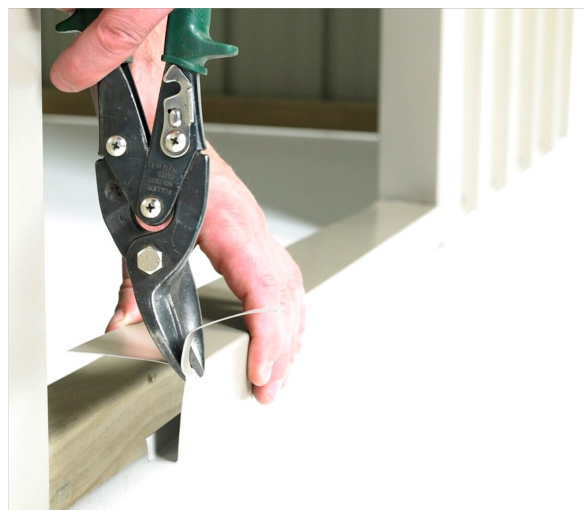
Step2: Measure and cut Doorstep Flashing (106) to fit in between Door Jambs. Position the Doorstep Flashing in between the Door Jambs at bottom of doorway, nail through top of flashing using three 30mm Clouts. Repeat with the Overdoor Flashing (105).

Step 3: Fit remaining three Corner Flashings over corner Ribs and rivet in place using six rivets per flashing. When fitting right hand Corner Flashing on the front wall, ensure it is parallel with the Door Jamb.

Step 4: Position Ridge Cover (B109) on Ridge Beam. While holding straight and square, nail top of Ridge Cover Flashing to Ridge Beam using four 30mm clouts. Rivet front of Ridge Cover to Ribs and Flashings using ten rivets.

Note: Condensation can form on the under side of shed roof. If building paper is required, fit now. Building paper will need to be supported by netting or roofing twine.

Roof with Clear Panel: Handle Clear Panel with care. The Clear Panel will crack if not fitted correctly.

Riveting: Pre-drill 3.5mm hole through Clear Panel and Steel. Enlarge hole in Clear Panel with drill to allow for expansion and contraction.

Screwing: Pre-drill a 6mm hole through the Clear panel.

Step 1: Check that the diagonal measurements of the shed are the same. If building on unlevel ground it may be necessary to temporarily brace the shed with pieces of timber from the packaging.

Step 2: Position first Roof Sheet on the right hand side of the shed with the LIP on the left hand side. Position the next Roof Sheet. Ensure it overlaps correctly (when fitting a Clear Roof Panel, ensure it OVERLAPS Roof Sheet). Rivet sheet joins 500mm from edge, front and back. Position and rivet remaining sheet.

Lip this side.

Step 3: Position roof so that the front overhang measures 140mm. Line up Ribs on the Roof Sheets with Ribs on the Wall Sheets. Ensure plates are straight then screw roof to Top plates using one 50mm Roofing Screw on each Rib front and back and then every second rib into the centre beam.

(Using 4 x 50mm galv clouts, nail clouts on the outside ribs only, as these are covered by the Barge flashing.

50mm Clouts in 4 corners

Pan   Rib
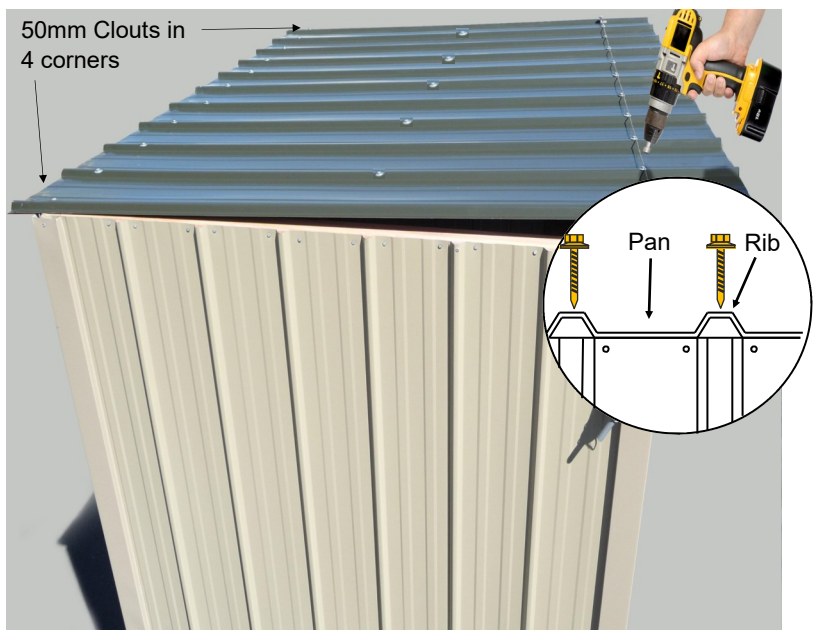
Step 1: Position Door Track (107) on the front wall 95mm down from the top of the flashing/underside of roof with right hand end 20mm in from   outside edge of right-hand corner flashing. Pre - drill hole in centre of track and screw in place using one 45mm door track screw. Remove ALL drill filings.

Note: Ensure Door Track screws are screwed in horizontal and screwed hard into flashing. Protruding screw heads can cause door rollers to bind on the screw heads.
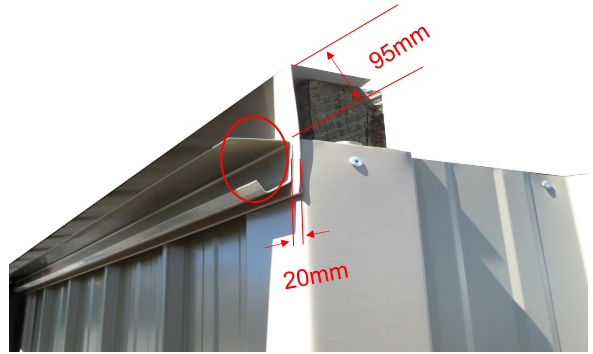
Step 2: Hang door in the Door Track. At the right hand end of Door Track, adjust up or down so that the Door hangs parallel with shed. Fit one rivet at right hand end to hold in place. Repeat with left hand end of track.

Note: Only use rivets at each end of track.

Step 3: Remove the Door. Pre-drill and screw another 2 screws between centre screw and the rivets at each end (5 screws per track). Screw track using 45mm door track screws.

Step 4: Clean out ALL drill filings. Also make sure the Wheels are cleaned of drill filings. Re-hang Door.

Door Stops: Predrill a hole in right-hand end of track,45mm in from outside edge of Corner Flashing.

Predrill hole in left-hand end of track, 45mm from outside of door jamb. *(60mm for Security door option.)*

Screw door stops in using 1 x Roofing screw per stop.

Check door doesn't protrude past outside edge of shed.

Step 5: Bottom Door Guide: Slide the Door to the corner of the shed. Place   the Door Guide (108) over the Guide Brackets on the door and align the end of the Door Guide 20mm in from outside of the right-hand corner flashing.

Step 6: Lift the door guide up approximately 3mm so that the Door will Slide freely. Pre-drill a hole through the door guide and the end rib of the cladding and screw in place using a 45mm screw.

Step7: Slide the door to the centre, ensuring that it slides freely. Pre-drill and insert a screw in the other end of the Door Guide. Check that the Door is not binding in the middle then pre-drill and fix with 3 more screws, one in the centre of the guide and the other 2 evenly spaced between (5 screws per guide) into the door step flashing and rib.

Note: For sheds with Raised Base Plate option the Door Step Flashing will protrude down past the Bottom Plate. Attach Door Guide with rivets.
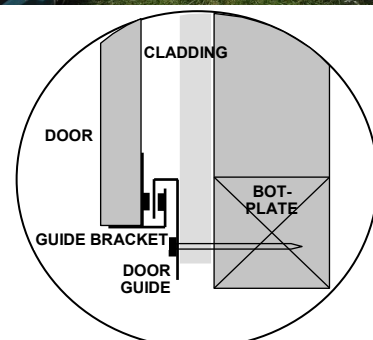
DKL2517-SS DOOR

Step 5: Bottom Door Guide: Slide Door to corner. Hang Door Guide (108) on bottom of the Door. Make it flush with Corner Flashing. Lift up approximately 3mm so that the Door will Slide freely. Pre-drill hole and nail in place using a 50mm nail. Slide to centre. Ensuring Door slides freely, pre-drill hole and nail Door Guide in place. Check Door is not binding in the middle then pre-drill holes into each Rib at similar spacing into Door Step Flashing. Nail off using 50mm nails.

Note: For sheds with Raised Base Plate option the Door Step Flashing will protrude down past the Bottom Plate. Attach Door Guide with rivets.
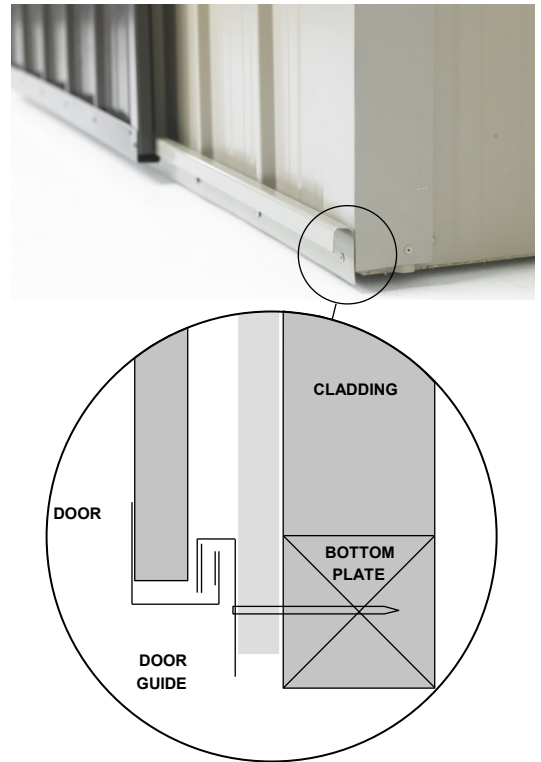
DKL2517-SS BARGE & SPOUTING
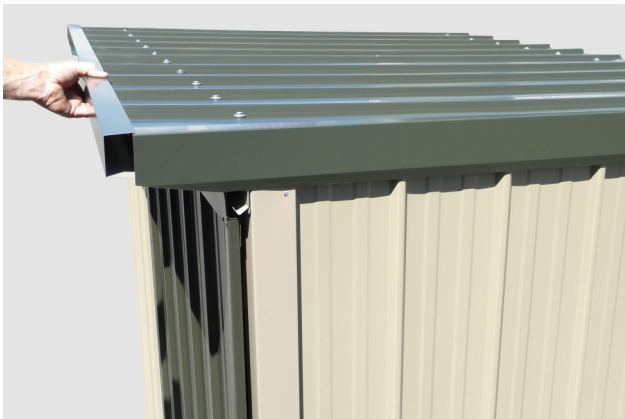
Step 1: Position Barge Flashing (G102) on shed end walls. Position a Spouting (A103) and rivet to the Barge Flashing at each end. Repeat with other Spouting.

Note: Barge flashings will be taller from front to back to accommodate the 140mm tall front beam, not straight as shown above. Fitment is the same as above.

Step 2: Centralise Barge Flashing on end wall and rivet in place, one rivet into every second Rib. Fit two rivets through top of Barge into Rib. Repeat with other Barge Flashing. Check Spoutings are straight, then rivet to Roof one rivet every second Rib.

Step 1: Place shed in final position. Check the diagonal measurements are the same and the shed is level before fitting Floor. It is recommended that the shed is anchored down with either a Duratuf Bolt Down Kit or Duratuf Peg Down Kit depending on what the shed is sited on.
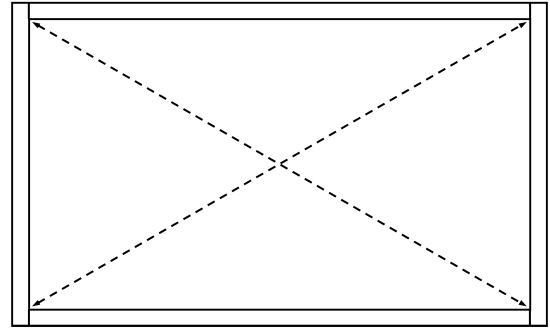
Step 2: Lay a Floor Board on top of Bottom Plates and Joist and push up against end wall. Mark out where Studs are. Cut checkouts with Electric Jigsaw so Floor Board will fit around Studs.

Step 3: Re-position Floor Board. Lay out remaining Floor Boards checking around Studs as you go. The last Floor Board may have to be cut to size.

Step 4: Nail in each Floor Board, two 50mm nails in each end and two into Joist. Measure and cut Floor Flashing (110) to fit in between Door Jamb Flashings and nail in place using 50mm Clouts.
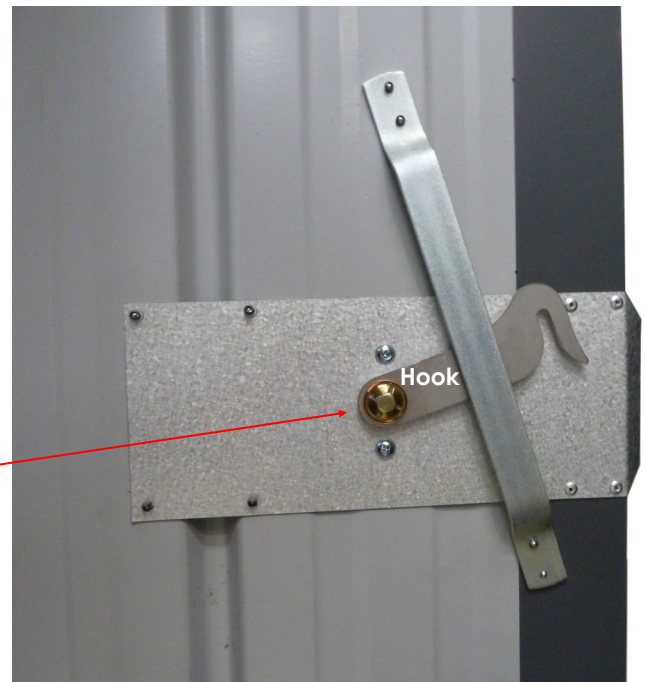
DKL2517-SS HASP & STAPLE

Using six rivets and one 50mm clout attach hasp to Door Jamb Flashing and the staple to the Door as shown.
(Note: See below for security option.)

SECURITY DOOR (Optional)

Step 1: Attach " T" locking handle with two 8x10mm screws. Slide hook onto square shaft and secure with a lock washer.

Hook

Lock Washer

Step 2: Once door is hung, position the Locking Stays so they slide into the Locking Brackets easily. Screw Locking Stays to Door Jamb.

SECURITY DOOR (Optional)

Step 3: On the left hand Door Jamb, position latch as shown, at correct height to door handle. Rivet in place with four rivets.


RAISED FLOOR MODIFICATION

For sheds being placed on a purpose built floor, (concrete, cobbles, ply etc.), the Wall Sheets will protrude 20mm below the Base Plate. This will stop water flowing in between the Base Plate and Floor.

The Floor should be made 15mm smaller than Base Size.

Note: Although it is not essential, fitting Damp Proof Course in between the Base Plate and the Floor will give added protection against moisture.

RAISED BASE PLATE DETAIL

STUD

WALL CLADDING

BASE PLATE

20mm

7.5mm

CONCRETE PAD
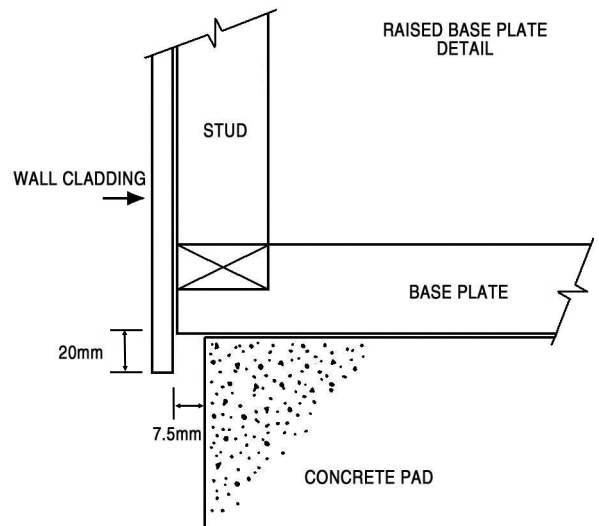
CLEAN UP

- Remove all swarf (drill filings) with a soft brush or rag.

- Hose down roof and walls thoroughly.

- For Coloursteel sheds use touch-up paint provided on all nail heads, rivets and exposed cuts.

DURATUF PREMIUM SHED WARRANTY

GUARANTEE TO CUSTOMER

Congratulations on purchasing a Duratuf Storage Shed. With proper care and attention, this product will last many years.

For your benefit **PLEASE READ THE FOLLOWING INFORMATION CAREFULLY.**

WARRANTY ON METAL CLADDING

Riverlea Group Ltd guarantee that the metal roofing and wall cladding on Kiwi and Fortress Garden Sheds may be used in moderate and inland corrosion zones or areas where the first year mild steel corrosion rate is less than 200g/m2, and that in these conditions, they will not perforate due to corrosion within 30 years of date of manufacture.

TERMS AND CONDITIONS

1. Damage or corrosion due to the following circumstances is not covered by this warranty.

   ♦   Mechanical, chemical or other damage sustained during or after installation.

   NOTE: Clean swarf off shed **IMMEDIATELY** after assembly

   Do **NOT** mark cladding with pencil

   Do **NOT** allow manures, chemicals or other corrosive materials to have direct contact with cladding

   Chemical damage will result if these instructions are not carried out

   ♦   Force majeure or other causes beyond the control of Riverlea Group Ltd.

2. This warranty does not cover material installed in severe and very severe environmental situations, or in any area where the mild steel corrosion rate (as published by BRANZ) exceeds 200g/m2.

WARRANTY REGISTRATION

Please visit http://www.riverleagroup.co.nz/warranty-garden-sheds to validate the Warranty on your shed.

Click on the Warranty Registration Link and complete all details.

If you are unable to access the computer, please phone us on 0800 438 274 and one of the customer services team will help you to activate the warranty on your garden shed.

Many thanks, from the Team at Riverlea Group.