

SHIRE

BUILT AROUND OUR REPUTATION



Assembly of Ringwood 3.59mx3.59m ©

Thank you and congratulations on the purchase of your Shire pine lodge. We believe that this product will give you many years of excellent service. This is a natural product manufactured to a high standard therefore if you have any queries or experience any difficulties then please contact our customer service hotline on

01945 46 89 10 01945 46 89 11 01945 46 89 12

Normal office hours: 8.30am to 5.00pm Monday to Friday.

Answer phone all other times.

Preparation of base

The base onto which you build your Cabin needs to be flat and level. We only recommend you use concrete that is a minimum of 10 cm thick

Base size at least 3396mm x 3396mm

Please refer to section E and drawing pages 1 & 2 .

Please note that the corner joints protrude over the edge of the base.

Treatment/care of your pine lodge

Tools required

- Hammer
- Rubber mallet
- Spirit level
- Stepladder
- Battery-powered drill/screwdriver
- 8mm drill
- 3mm drill
- Tape measure
- Gloves
- Sharp knife and saw
- string
- oil for lock

IMPORTANT!

- 1. Check all components before commencing with the construction of your Ringwood**
- 2. Keep all timber dry or your building will not fit together.**
- 3. We also recommend that you seal the corner log joints with silicone sealant (not supplied).**
- 4. We recommend a minimum of two people required for assembly.**
- 5. Read through all the instructions before constructing your pine lodge.**
- 6. You will see there is a set of lettered drawings showing each side of the building. You will find these letters printed at one end of each log or in the slot.**

PLEASE NOTE

Wood is a natural product and is therefore prone to changes in appearance, including some warping, movement and splitting, particularly during unusual climatic conditions (long hot or wet spells of weather). As a natural occurrence this is not covered by a guarantee.

- All timber must be dry to apply the timber treatment.
 - Treat with a suitable decorative wood finish immediately. We recommend that you treat the door and window glazing rebates and beading with a top quality timber treatment before assembly and treat the entire building as soon as assembly is complete, we further recommend that all pieces are treated and again within 3 months of assembly and again at least annually or as frequently as the instructions on the product used recommends.
 - **Note** the back of the door and window units unscrew so they can be removed for painting
 - We would also remind you that you would rarely (if ever) be able to re-treat the underside of the floor boards following assembly.
 - We strongly recommend that the underside of the floor is treated an absolute minimum of twice.
 - The floor bearers are pressure treated and don't need to be treated although you may if you wish. We also recommend that you seal the external corner joints (fig D2) with silicone sealant (not supplied)
 - **LUBRICATE LOCK** It is extremely important that you lubricate your lock through the key hole and all moving parts as soon as possible after assembly and at least at monthly intervals thereafter . Also ensure that you regularly operate the lock especially during the winter or when not in use.
- ◆ See drawings for log quantities
- ◆ See yellow parts list sheet please quote ID number and your order number in all correspondence

Important safety information

- We recommend the wearing of non-slip protective gloves throughout the assembly process. We also recommend the wearing of steel capped protective shoes, protective head gear, safety glasses and full length clothing. If step ladders are to be used we recommend one person holds the ladder whilst the other is using them. If necessary a third person should be used. Do not attempt to erect the building in windy conditions. Follow any safety precautions quoted by the manufacturer for any equipment you use.
- Every precaution has been taken to ensure that your building has no element incorrectly placed or possibly hazardous. However prior to use please check for raised grain or splinters and sand if necessary. Check that all elements are secure against reasonable force.

IMPORTANT!

The only parts that require cutting are the angled eaves edgings , final roof and floor boards and the skirting.

DO NOT CUT ANYTHING ELSE

A Window frame

1. Refer to the window drawing page and to letter codes in contents table. The **WT** and **WD** parts will be at the top of the window frame. **Do not tighten the inside of the frames so you can remove for treatment.**
2. To be sure you can lay all the pieces, including inserts together without fixing to familiarise yourself with the assembly.
3. Make sure the window insert fits inside the frame with a 5mm gap all around.
4. Lay out the parts **WA** and **WB** and **WT** as in the inner frame assembly drawing. The narrowest (25mm) edge to the work bench and the side size is the same as the log thickness as shown in fig A1 . Part **WT** must be inside parts
5. **WA** and part **WB** underneath the two **WA** parts (Fig A1) .
6. Pre drill 2 3mm holes at one end of the **WA** only and at both ends of the **WB** parts (see drawing) and screw together at each corner,10mm in from the edge (ensuring each corner is flush) with 2x50mm screw (fig A1).

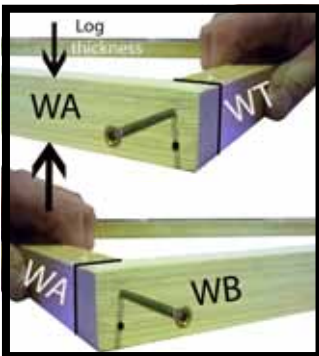


Fig A1

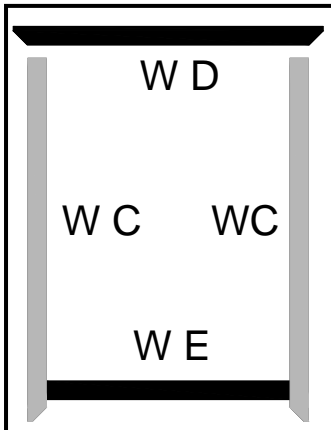


Fig A2

7. Layout parts **WC** ,**WD** & **WE** as in fig A2 & drawing on top of the frame from steps 1-6 flush with the inner edge of the frame .

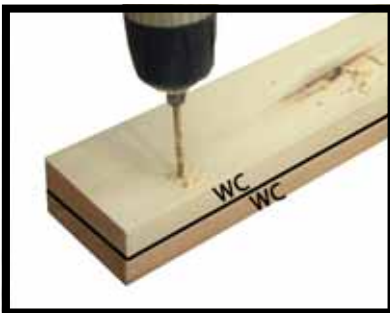


Fig A3

8. Mark the first hole position 30mm from the end of part **WC** that is next to part **WD** , at the other end mark the hole central to the **WB** underneath and then the rest at approximately 260mm centres between these holes.

9. Note the **WC** ,**WD** & **WE** pieces fitted to the opposite side must be drilled offset to this side to ensure the screws miss each other.
10. Place the other **WC** part underneath and drill through both pieces with a 3mm drill (fig A3).



Fig A4

11. Place one of the **WC** parts on top of the **WA** parts level with the inside of the frame and the bottom of the **WT** part (fig A4).
12. Fix to part **WC** to **WA** with 40mm screws (fig A5 & A6)
13. **important** fix at both ends first ensuring that they stay flush then the screws in between again ensuring that parts **WA** & **WC** are flush as you go

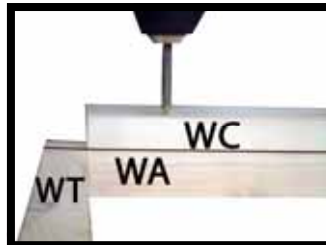


Fig A5

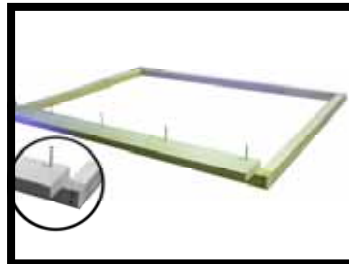


Fig A6

14. Place a **WD** part on top of a **WB** part. The **WD** part is positioned so there is an even overhang (fig A7). Mark out and drill fix as steps 8 to 10. But start at 100mm from the end of part **WD**.



Fig A7

15. Drill (not too deep) and screw in each corner with 40mm screws (fig A8).



Fig A8

16. With a pencil mark the screw centres on the inside long edge of the frame to help ensure the hinge

17. Turn frame over and repeat steps 4 to 12 on the other side (fig A9 &A10).
18. **Note offset drilled holes from first side to ensure they miss each other first hole part **WC** =30mm part **WD** =100mm**

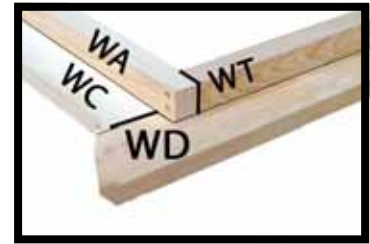


Fig A9



Fig A10

19. **Window insert.** Place one hinge on the inner rebate part of the window; approx. One hinge width along from the rebate edge **on the top side**. The rounded part of the hinge should sit above the outer edge of the window. Screw the inner piece into position
20. (fig. A11 &A12) using the pre drilled holes in the hinge and 3 x 25mm screws. Repeat with the other hinge. And close the hinges together.

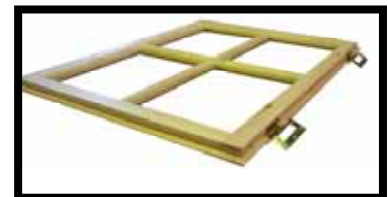


Fig A11– STYLE MAY VARY

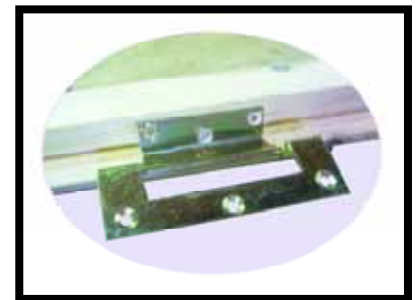


Fig A12

22. Place the window into the aperture (fig A13) **ensure that part **WD**** (FIG A13) is against the hinges (TOP HUNG)**or** against the **WC** (side hung) .
23. Secure the window to the panel using 3x 25mm screws per hinge, (fig. A14) again through the predrilled holes in the hinge.
24. Repeat.



Fig A13



Fig A14

24. Open the window fully in order to fit a further 2x 25mm screws per hinge (Fig.A15).



Fig A15

25. Fitting the draught excluder.
This must be done before fitting the casement stays.



Fig A16

26. Lay the assembled window unit with the opening insert downwards onto your work surface (Fig A16).
27. Position the draught strips so the rubber is against the opening insert and fix with 4x25mm oval nails per strip (Fig A16).
28. **Fitting the Casement Stays.** There are two per window. Place the casement stays evenly on the inside of the window (Fig A17) on top of the draught excluder.
29. Place the 2 pins under each casement stay. Position so that it is not resting on the window frame and not so high that the pins are of no use.



Fig A17

30. Fit the Casement Stay (fig A18) on the window using 2x 25mm screws.



Fig A18

31. Mark where the 'pins' will be placed.

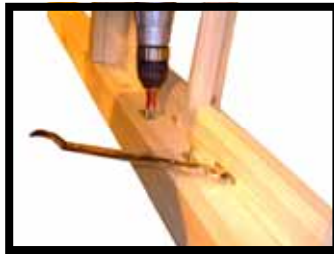


Fig A19

32. Secure into position using 4x 25mm screws - 2 in each pin.
33. **Drip bar.** Turn the window unit over so the opening insert is uppermost .



Fig A20

34. Position the drip bar by measuring 45mm down from the top of the WD part above the hinges and fix the drip bar with 3x25mm screws. Repeat with the other window unit
35. Put the completed units to one side until required .
36. **Note** do not glaze until all parts have been treated and the units fitted in the building

B Door Frame-Double door only

1. Refer to letter codes in the contents table and also use the doors as a gauge to ensure correct assembly (assembly similar to but not the same as the windows). **SEE LARGE DRAWINGS. Do not tighten the inside of the frames so you can remove for treatment .**
2. Lay out the parts DA and DB as in fig B1. The 25mm edge to the work surface

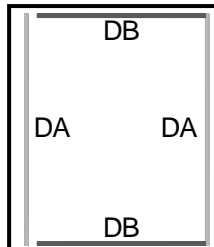


Fig B1

3. Parts DB must be inside parts DA

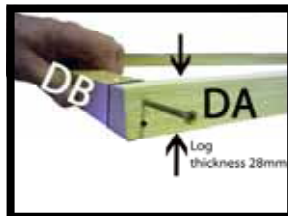


Fig B2

4. Drill both ends of the DA and screw together at each corner, 10mm in from the edge (ensuring each corner is flush) with 2x50mm screws (fig B2).

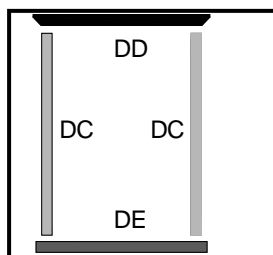


Fig B3

5. Layout parts DC, DD & DE as in fig B3 .

6. Mark the first hole position 30mm from each end of part DC and then the rest at approximately 200mm centres.
7. **Note** the DC, DD & DE pieces fitted to the opposite side must be drilled offset to this side to ensure the screws miss each other.



Fig B4

8. Place the other DC part underneath and drill through both pieces with a 3mm drill (fig B4)



Fig B5

9. Place one of the DC parts on top of the DA parts level with the inside of the frame (fig B5)

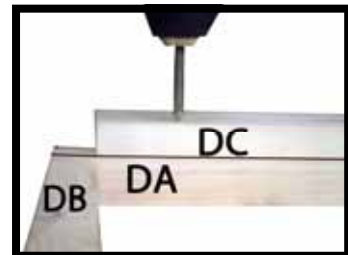


Fig B6

10. Fix to part DC to DA with 40mm screws (fig B6 &B7) **important** fix at both ends first ensuring that they stay flush then the screws in between again ensuring that parts DA & DC are flush as you go.



Fig B7

11. Place a DD part on top of a DB part. the DD part is positioned so there is an even overhang (figB7). Mark out and drill fix as steps 8 to 10. **But** start at 100mm from the end of part DD.



Fig B8

12. Drill (not too deep) and screw in each corner with 40mm screws (fig B9).



Fig B9

13. With a pencil mark the screw centres on the inside long edge of the frame to help ensure the door hinge screws will miss these screws.
14. Turn frame over and repeat steps 5 to 13 on the other side
15. **Note offset drilled holes from first side to ensure they miss each other first hole part DC=40mm part DD=110mm**

C Fit Doors

1. Lay doors on the floor, as you would view them from the inside of the building. Make sure the door with the lock is situated on the left when viewed from the bottom.
2. Lay the outer frame in position (fig C2).
3. The hinges are fitted on the longest outside edge of the doors.
4. Make a visual judgement to the gap top and bottom of the doors then transfer the screw centre marks (step B 13) to the doors. This is to ensure the hinge screws miss the frame screws.
5. Lift off the outer frame making note of which way around you have put it.
12. Place the hinges as shown in fig 36 Screw the inner piece of the hinge to the door with 2 x 25mm screws.

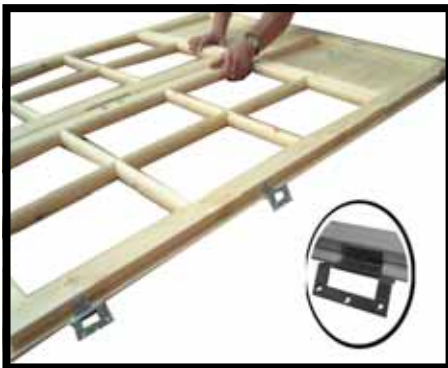


Fig C1

7. Close the hinges and lay the frame assembly over the doors (fig C2).



Fig C2

8. Make a visual judgement to set an even gap top/bottom of the doors and secure each hinge with 1x25mm screws (fig C3). **Ensure the hinges are tight against the face of the doorframe.**



Fig C3

9. Stand the assembly up. Note two people needed for this step. Open the doors and secure hinges with remaining 4x25mm screws per hinge.
10. Lay the assembly down again with the doors facing down and fix the draught excluder as with the windows using 9x35mm oval nails for either side and 9x35mm oval nails each top and bottom. Take note of where you are going to put the door bolts (step 12).
11. **Drip bar** .Turn the unit over and measure down 45mm and position and fix with 6x25mm screws as previously done with the window unit.



Fig C4

12. Fit two bolts on the door without the lock (fig C4). The top bolt should be positioned just below the draught excluder. Fix with 4 screws supplied.
13. Extend the bolt to meet the frame with the cranked part as far from the edge as you can and mark then drill a 10mm hole (**into , not through the frame**) to take the bolt.
14. Align the catch plate and fix with 4 screws supplied
15. Put the door assembly to one side until required.

D Decking

1. Before construction of your cabin the complete decking rectangle is made first.
2. Equally space the deck bearers with the 62mm (wide) side to the floor and the outer bearers level with the end of a deck board (Fig D1)



Fig D1

3. Use another deck board as a guide(fig D2) and

measure diagonally to ensure squareness and screw the **first deck board only** into position using 2 x 50mm at each bearer.



Fig D2



Fig D3

3. Equally space the decking boards leaving an even gap between each board and screw into position using 40mm screws as before (Fig D3)
4. Place Into position when you have fixed first logs (next section).

E Floor Bearers & First Logs

See drawing pages 1&2

1. **Following the instructions below and with the help of the drawing pages assemble your building up to and including the gables**



Fig E1

2. Take the half height log (A1) that sit on the bearers & that you see the bearer ends . Mark the floor bearer centres, **but not the outer bearers**, from one end (fig E1 drawing pages)



Fig E2

3. Place the 'A1' logs against each other and transfer all the lines across (fig E1).
4. The outer bearers are 2 bearers nailed together at approx 300mm centres with 70mm nails at a slight angle (fig E2 & E6).
5. The bearers stand with the narrowest edge to the floor (fig E3) and their ends flush with the A1 logs face



Fig B3

6. Assemble the first row of logs on top of the bearers by placing the half height logs (A) in position and then the first of the logs from each wall (B) that run parallel to the bearers on top of them.
7. **The logs are assembled with the tongues upwards**
8. Position the outer bearers so the outer log sits 5mm in from the outer face (fig E4) of the side and flush with the front logs.



Fig E4

- Cut notches out of the tongues on the A1 logs (fig E5) at centre marks (previous steps) and drill through for fixing to the bearers .

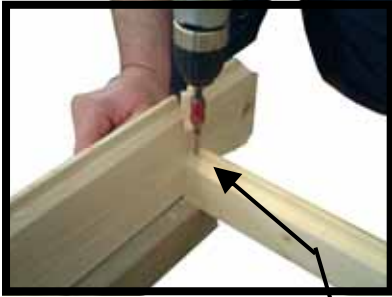


Fig E5



Important

- Measure corner to corner, as building must be square



Fig E6

- Also measure length at the centre of the building from wall to wall (A1 to A1) to ensure correct length before fixing to joists with 1x 80mm screw (fig E5 & E6) at each bearer and place the deck in position.
- This is the bottom of all four walls now ready to be built upon.

F Walls

See drawing pages

- Using parts list for each wall layout correct quantity (fig F1) of each component for relevant wall (i.e. front, back) in suitable position for ease of assembly.



Fig F1 example

- The walls can now be assembled as per drawing pages above. Start building walls by placing all the logs from front and back and then from side and side
- The logs are assembled with the tongues upwards**
- Each log needs to be tapped home to log below using timber block supplied and a rubber mallet (fig F2).

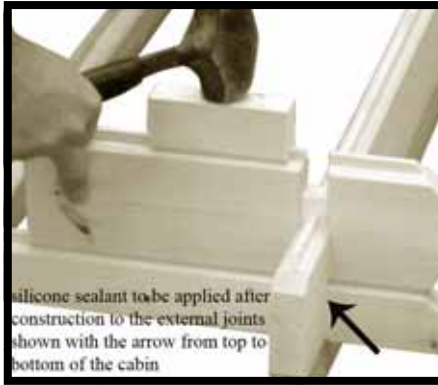


Fig F2

G Inserting windows and doors

UNDER NO CIRCUMSTANCES MUST THE DOOR OR WINDOW FRAMES BE NAILED TO THE LOGS. The logs must be free to move within the frame lots to allow for expansion and contraction. AS SOON AS YOU FIT DOOR UNIT FIT HANDLES AND UNLOCK DOOR

- Door unit must be placed into position after the first two layers of full logs have been assembled
- Slide unit into aperture from above (Fig G1 & G2) ensuring unit is completely down and in position.



Fig G1 EXAMPLE



Fig G2

- Window units are fitted as above (fig G3) when you have built up to the correct height



Fig G3 example

- Note** Door and window units do not require fixing to the logs
- Once the door and window units are in place continue assembling the walls as before but slide the logs into the door or window frame (fig G4) from above then tap them down.



Fig G4

- Continue building until you get to the height were the gable starts.

H Gables

See drawing pages 3 & 5 THERE MAY BE LESS SLOTS FOR THE JOISTS TOWARDS THE FRONT OF THE BUILDING . STUDY THEM CAREFULLY

- Assemble the gables with the walls .
- Lay the largest gable on the floor and place the others on top in line to help ensure you fit them on the building the correct way around.
- Once gables are in place knock down all the walls again as in fig C2 to ensure all the walls are fully home
- Fix the gable with 1x80mm screw at each end (fig E1 and as shown on the drawing pages (Some screws may go into roof joists)



Fig H1

I Roof joists

- Fit roof joists into slots provided in the gable sections (fig I1 I2). **NOTE there are two types of bearer ,some with 2 notches for the full length and some with 3 notches for where the porch is.**



Fig I1

- Measure the distance between each roof joist and the roof joists and walls to ensure all components are fully home before continuing.



Fig I2 example

J Roof boards & edgings

- There are eaves edging strips for the building (2 places) (These may need cutting to fit).
- Position the eaves edging strips (fig J1 & J2) level at both ends with the gable angle (front and back walls) and screw to the wall with 50mm screws at approximately 400 centres.



Fig J1



Fig J2

- The first roof board is now ready to be positioned (fig G3). **Bevel edge downwards.**
- NOTE** only the final boards need trimming. Fit the boards with the chamfer downwards



Fig J3

- Start at the front, place the board level with the end of the roof bearers and central over the middle bearer to produce an even overhang (fig J3).
- Fix each board into place at the roof bearers and angled eaves edgings using two 40mm ROUND HEAD nails at each bearer & eaves edging



Fig J4

- The final roof board will need to be cut. Place it in position and measure the distance between the end of the roof bearers and the edge of the board. This will tell you how much you need to cut off (fig J4).
- Next fit the roof edgings to the outer edges of the roof boards with 50 mm screws at approximately 300mm centres (Fig. J5).

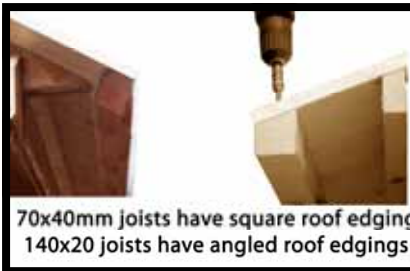


Fig J5

K Felt Roof

- 2x10m and 1x6m rolls of felt have been supplied.
- layout a 10m roll and cut into 410cm lengths (Fig K1). You can use a board as a straight edge.
- Repeat with all the felt.



Fig K1

- Starting at the lower edge (eaves) place 1 piece from front to back of the building.
- An overhang of approximately 50mm should be allowed at the front and the back (all felt strips) and the length of the eaves edgings at the side (Fig K2 & K3).



Fig K2

- Secure with felt nails at approximately 100mm spacing. But only a couple along the high edge at this time (nailed with overlap).



Fig K3

- Repeat on the other side.
- Place the next piece of felt over the high point of the roof (ridge) overlapping the lower pieces either side then nail as before.
- Nail with felt nails at each roof bearer leaving space for fixing the Fascia's.

L Fascia

- Fascia boards can now be drilled and screwed (fig L1) with 1x 50mm screw at each roof bearer and the roof edgings.



Fig L1

- Drill diamond and screw with 2x50mm screws . (fig L2)



Fig L2

M Floor

- The floor is fitted working from front to back with 40mm nails **Bevel edge downwards.**
- Position the first floorboard under the doorframe (Fig M1), with the groove against the wall.



Fig M1

- Fix into position with two nails at each floor bearer (Fig M2& M3).



Fig J2



Fig M3

- Continue with remaining floorboards until you have three remaining.
- Place these in position without nailing them down, as the last floorboard will require trimming.
- Measure the distance between the last full board and the wall (Fig M4). This measurement is then marked on the final board and then cut to Fit , **leaving the groove on the board .**



Fig M4

- Curl the boards up (fig J5) to put it into position and nail the remaining boards before



Fig M5

- Cut the skirting boards to suit and fix with 40mm oval nails at approx. 400mm centres (fig M6)



Fig M6

N Glazing

After painting

- NOTE** ensure that you have treated the beading and the rebate where the glass fits before fixing the glazing.
- Place glazing material into the aperture of each window.
- Hold into position with four pieces of beading . The beading may need to be swapped around to get the best fit. When satisfied secure into position using 2x15mm panel pins per piece of beading. (fig N1) Repeat for all window and door apertures.



Fig N1

28 mm BIG Double door assembly supplement

Parts list

Qty.	Description	Length	Code
2	Door frame 25x(log size) 28	1855	DA
2	Door frame 25x (log size) 28	1421	DB
4	Door architrave 70x20mm	1805	DC
2	Door architrave 90x20mm	1581	DD
2	Door architrave 70x20mm	1805	DE -external
2	Door architrave 70x20mm	1561	DF -internal
10	50mm screws		
50	40mm screws		
45	25mm screws		

Door frame

- 1 Refer to letter codes in above table.
- 2 Lay out the parts DA and DB as in fig 1. The 25mm edge to the work surface. Parts DB must be inside parts DA.
- 3 Screw together at each corner, 10mm in from the edge (ensuring each corner is flush) with 2x50mm screws (fig 2).

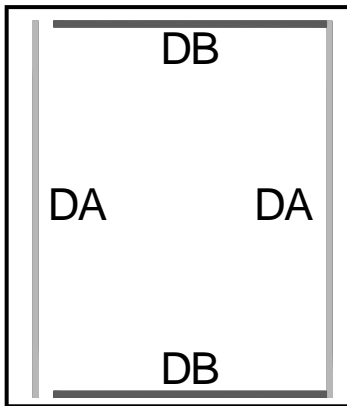


Fig 1

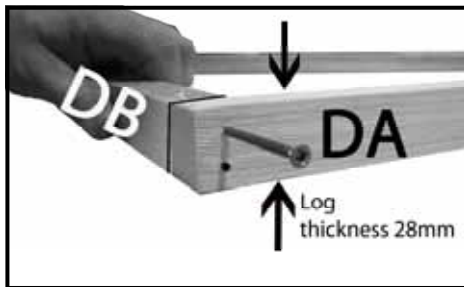


Fig 2

- 4 **REF.** This frame is set out the same as on the pre-constructed window frame.

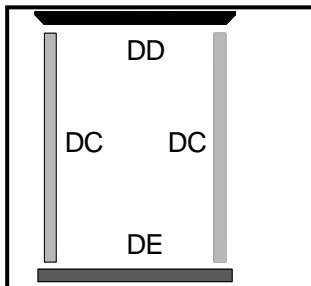


Fig 3

- 5 Layout parts DC, DD & DE (or DF internal door) as in fig 3.
- 6 Mark the first hole position 30mm from each end of part DC and then the rest at approximately 200mm centres.
- 7 **Note** the DC, DD & DE pieces fitted to the opposite side must be drilled offset to this side to ensure the screws miss each other.

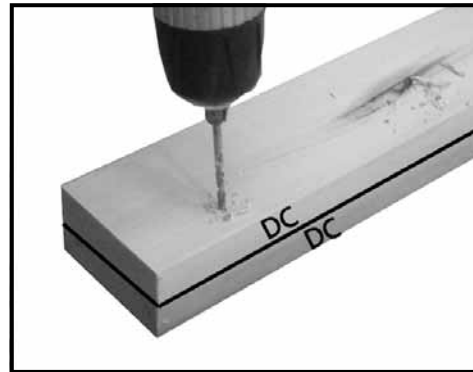


Fig 4

- 8 Place the other DC part underneath and drill through both pieces with a 3mm drill (fig 4)



Fig 5

- 9 Place one of the DC parts on top of the A parts level with the inside of the frame (fig 5).

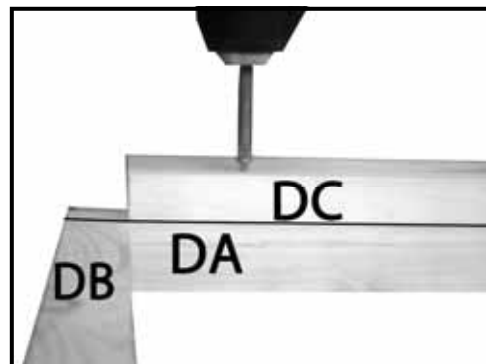


Fig 6

- 10 Fix to part DC to A with 40mm screws (fig 6 & 7) **important** fix at both ends first ensuring that they stay flush then the screws in between again ensuring that parts DA & DC are flush as you go.

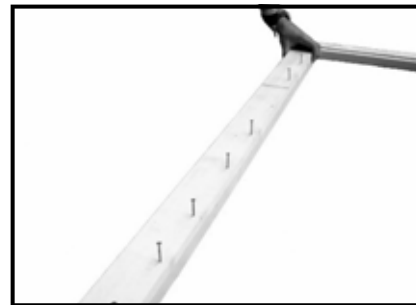


Fig 7

- 11 Place a DD part on top of a DB part. the DD part is positioned so there is an even overhang (fig8). Mark out and drill fix as steps 8 to 10. **But** start at 100mm from the end of part DD.
- INTERNAL DOORS** have the DF pieces instead of the DE parts and finish flush with the bottom of the DB part underneath and square to the DC parts.
- THE FLOORBOARDS GO UNDER THE DOOR FRAME.**

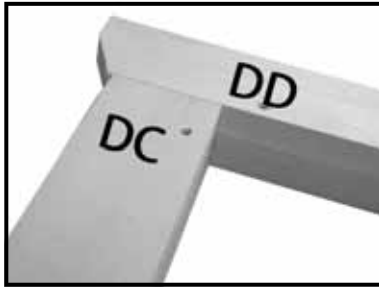


Fig 8

12 Drill (not too deep) and screw in each corner with 40mm screws (fig 9).



Fig 9

- 13 With a pencil mark the screw centres on the inside long edge of the frame to help ensure the door hinge screws will miss these screws.
 14 Turn frame over and repeat steps 5 to 13 on the other side (fig 10&11).
 15 Note offset drilled holes from first side to ensure they miss each other first hole DC=40mm part DD =110mm

Doors-MAY DE SOLID DOORS

Bradenham has piano hinges and black door knobs fit doors after frame in building

- 1 Lay doors on the floor, as you would view them from the inside of the building. Make sure the door with the lock is situated on the left when viewed from the bottom.
- 2 Lay the outer frame in position (fig 14).
- 3 The hinges are fitted on the longest outside edge of the doors.
- 4 Make a visual judgement to the gap top and bottom of the doors then transfer the screw centre marks (step A 13) to the doors. This is to ensure the hinge screws miss the frame screws.
- 5 Lift off the outer frame making note of which way around you have put it.
- 6 Place the hinges as shown in fig 12 & 13. Screw the inner piece of the hinge to the door with 2 x 25mm screws.

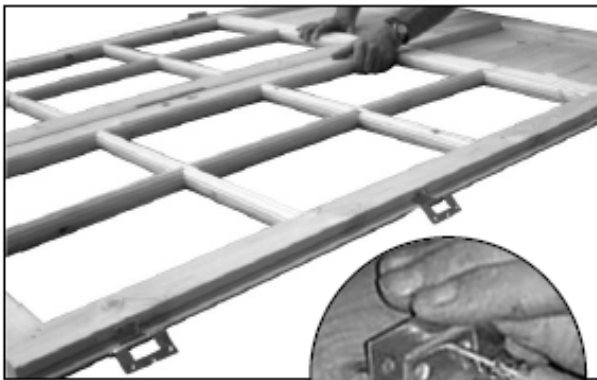


Fig 12

Fig 13

7 Close the hinges and lay the frame assembly over the doors (fig 14).

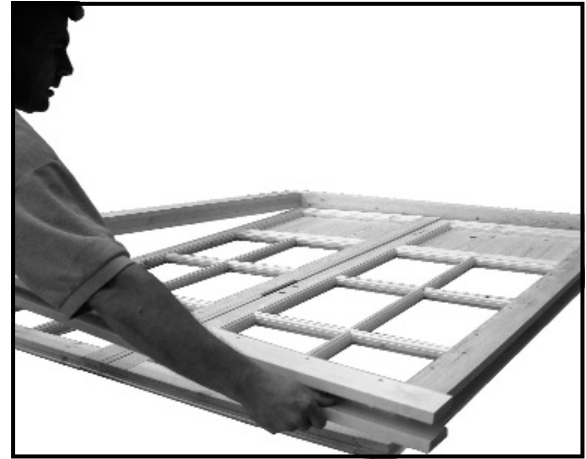


Fig 14

8 Make a visual judgement to set an even gap top/bottom of the doors and secure each hinge with 1x25mm screws (fig 15). **Ensure the hinges are tight against the face of the doorframe.**

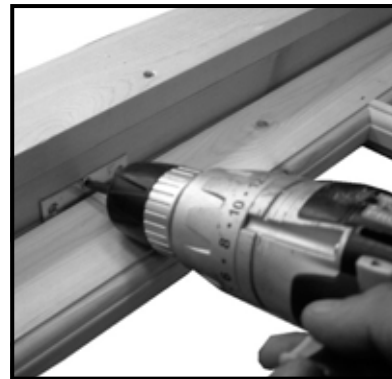


Fig 15

- 9 Stand the assembly up. **Note two people needed for this step.** Open the doors and secure hinges with remaining 4x25mm screws per hinge.
- 10 Lay the assembly down again with the doors facing down and Position the draught strips so the rubber is against the opening door and fix with 9x32mm oval nails for either side and 9x25mm oval nails each top and bottom (fig 16).
- 11 **Take note of where you are going to put the door bolts so there are no nails where you need to drill (step 12).**



Fig 16



Fig 17

- 12 Fit two bolts on the door without the lock (fig 17). The top bolt should be positioned just below the draught strip at the top of the door. Fix with 4x10mm screws.
- 13 Extend the bolt to meet the draught strip and mark then drill an 10mm hole through the draught strip (**not all the way through the frame**) to take the bolt.
- 14 Put the door assembly to one side until required.

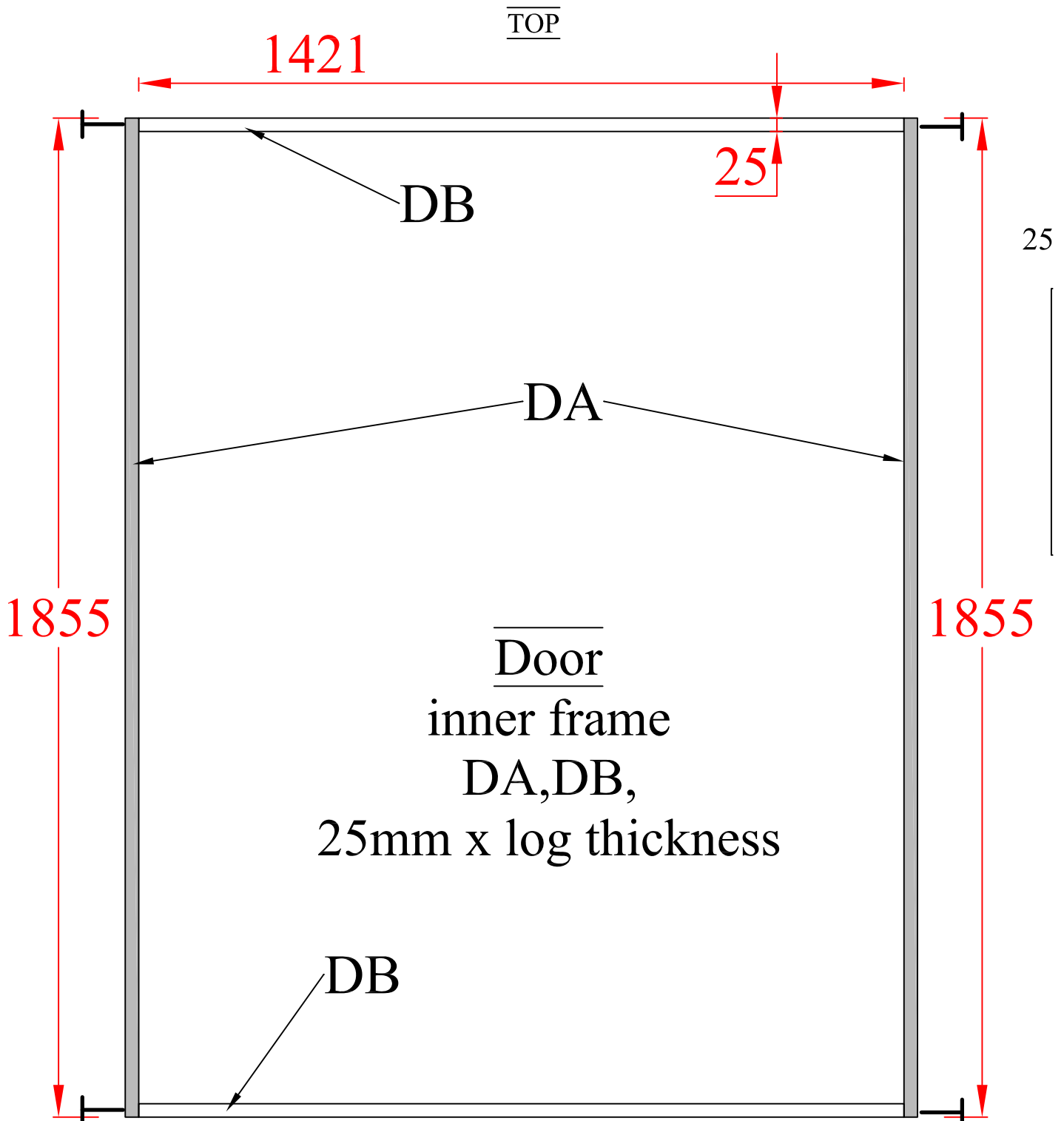
SHIRE

BUILT AROUND OUR REPUTATION

34/44/70 DOUBLE DOOR -INNER FRAME ASSEMBLY

DOUBLE GLAZING
beading must be sealed
with low modulus
silicone sealant

SCREW
HERE
T

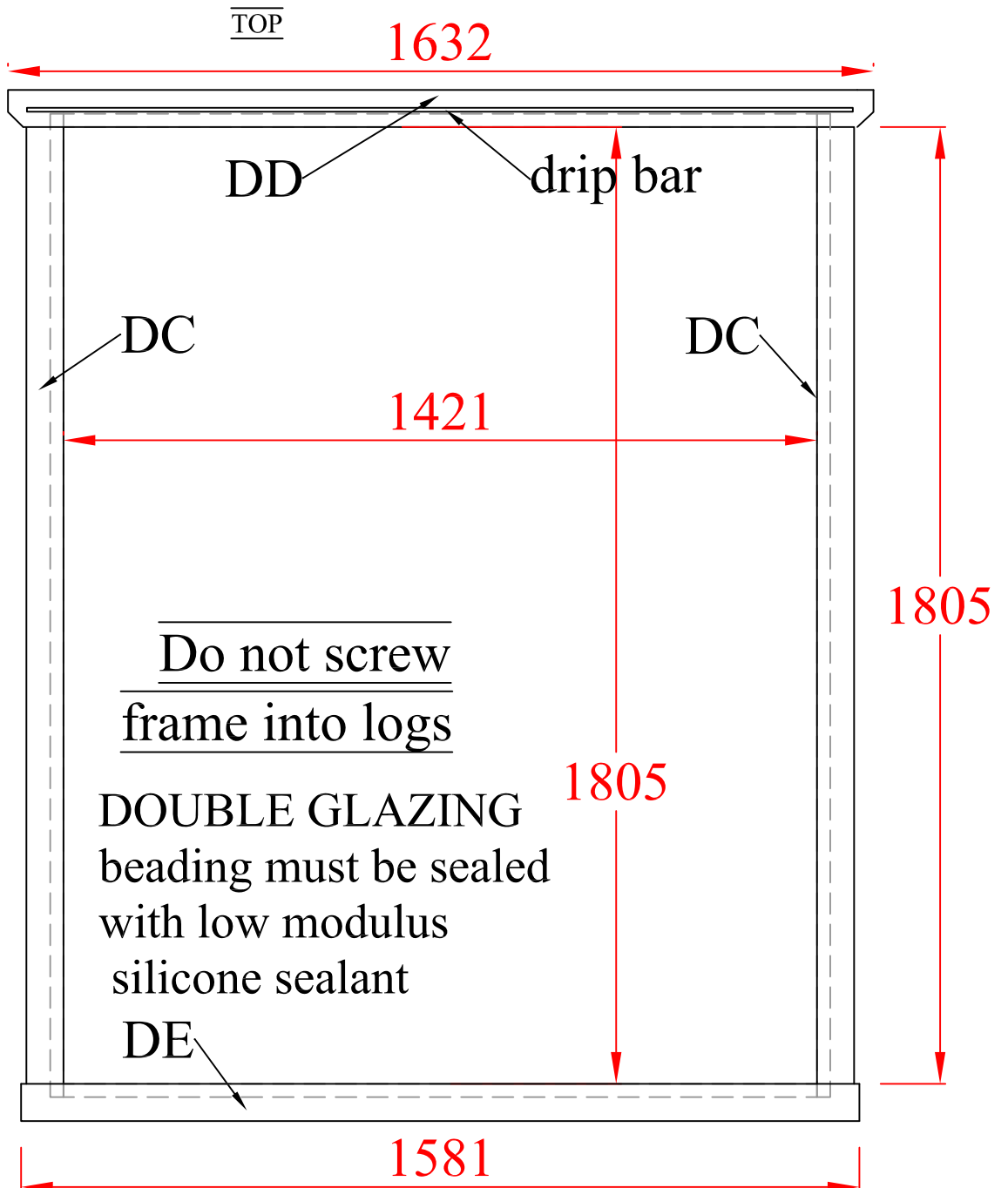


SHIRE

BUILT AROUND OUR REPUTATION

1777-2		1421-2	rubber
1600			drip bar

28/34/44/70DOUBLE DOOR OUTER FRAME ASSEMBLY



W9t Window assembly supplement

Parts list

YOU MUST READ THE SAFETY SUPPLEMENT AT THE BEGINNING OF THE MAIN INSTRUCTION SHEET

WINDOW KITS– Taped in sets

1	Windows	W9S –TOP HUNG	
2	Casement stays with 2 pins and screw sets		
2	Window hinges		
2	Window frame	25x29 x1196	W A
1	Window frame	25x29 x965	W B
1	Window frame	25x29x 915	W T
4	Window architrave	70x20x1276	W C
2	Window architrave	90x20x1125	W D
4	Window architrave	70x20x915	W E
1	Shaped drip bar	1090	
2	Draught excluder	1204	
2	Draught excluder	915	
30	Glazing	268 x 352	
60	Short Beading		
60	Long Beading		
4	100mm hinges		
52	40mm screws		
12	50mm screws		
28	25mm screws		
38	25mm oval head nails		
72	Panel pins		

A Window Frame

1. Refer to the window drawing page and to letter codes in contents table. The **WT** and **WD** parts will be at the top of the window frame. Do not tighten the inside of the frames so you can remove for treatment.
2. To be sure you can lay all the pieces, including inserts together without fixing to familiarise yourself with the assembly.
3. Make sure the window insert fits inside the frame with a 5mm gap all around.
4. Lay out the parts **WA** and **WB** and **WT** as in the inner frame assembly drawing. The narrowest (25mm) edge to the work bench and the side the size is the same as the log thickness as shown in fig A1. Part **WT** must be inside parts
5. **WA** and part **WB** underneath the two **WA** parts (Fig A1).
6. Pre drill 2 3mm holes at one end of the **WA** only and at both ends of the **WB** parts (see drawing)and screw together at each corner, 10mm from the edge (ensuring each corner is flush) with 2x50mm screw (fig A1).

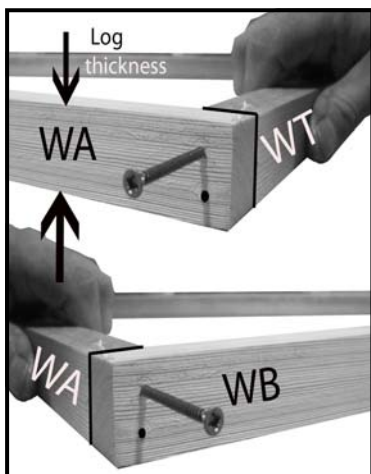


Fig A1

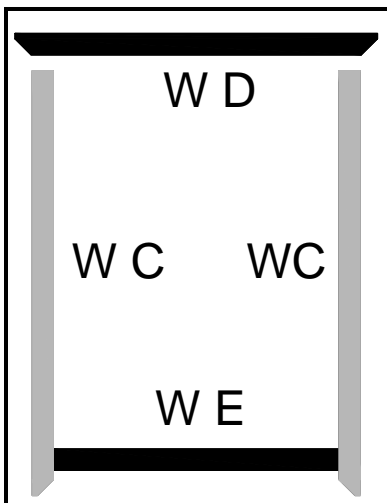


Fig A2

7. Layout parts **WC**, **WD** & **WE** as in fig A2 & drawing on top of the frame from steps 1-6 flush with the inner edge of the frame.

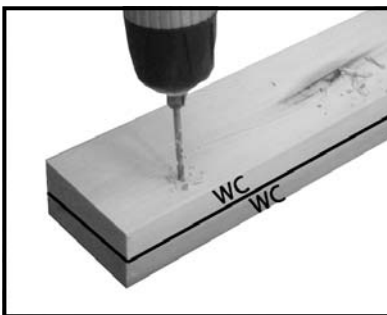


Fig A3

8. Mark the first hole position 30mm from the end of part **WC** that is next to part **WD**, at the other end mark the hole central to the **WB** underneath and then the rest at approximately 260mm centres between these holes.
9. Note the **WC**, **WD** & **WE** pieces fitted to the opposite side must be drilled offset to this side to ensure the screws miss each other.
10. Place the other **WC** part underneath and drill through both pieces with a 3mm drill (fig A3).

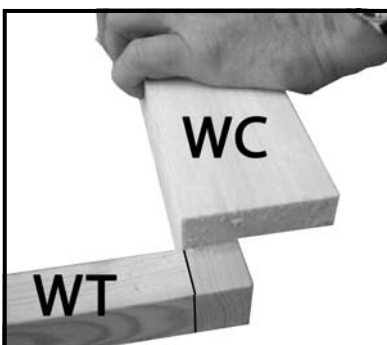


Fig A4

11. Place one of the **WC** parts on top of the **WA** parts level with the inside of the frame and the bottom of the **WT** part (fig A4).
12. Fix to part **WC** to **WA** with 40mm screws (fig A5 & A6)
13. **important** fix at both ends first ensuring that they stay flush then the screws in between again ensuring that parts **WA** & **WC** are flush as you go

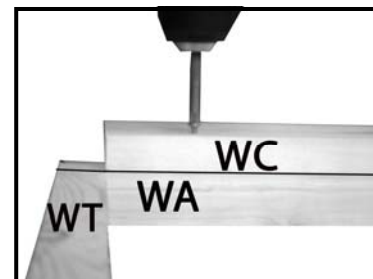


Fig A5

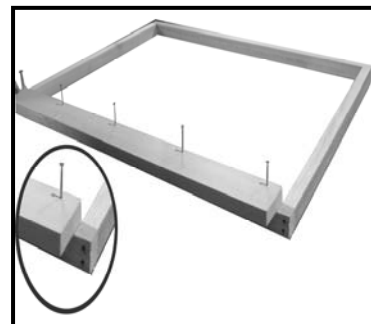


Fig A6

14. Place a **WD** part on top of a **WB** part. The **WD** part is positioned so there is an even overhang (fig A7). Mark out and drill fix as steps 8 to 10. But start at 100mm from the end of part **WD**.

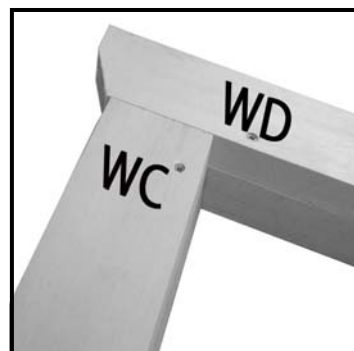


Fig A7

15. Drill (not too deep) and screw in each corner with 40mm screws (fig A8).

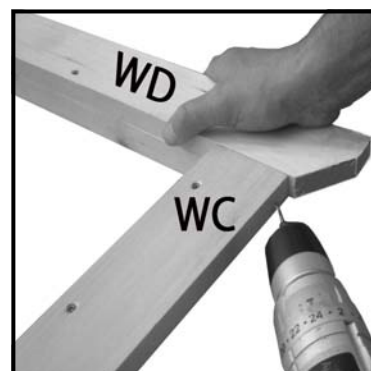


Fig A8

16. With a pencil mark the screw centres on the inside long edge of the frame to help ensure the hinge screws will miss these screws.
17. Turn frame over and repeat steps 4 to 12 on the other side (fig A9 & A10).
18. **Note offset drilled holes from first side to ensure they miss each other first hole part WC =30mm part WD =100mm**

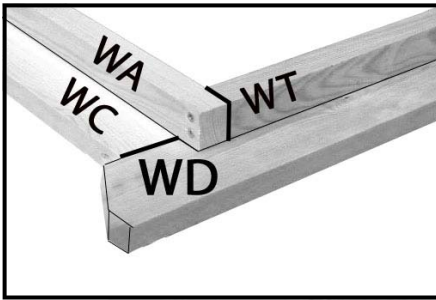


Fig A9

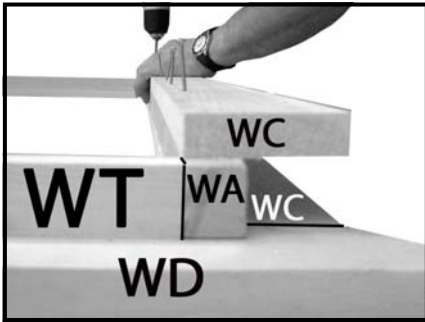


Fig A10

19. **Window insert.** Place one hinge on the inner rebate part of the window; approx. One hinge width along from the rebate edge **on the top side**. The rounded part of the hinge should sit above the outer edge of the window. Screw the inner piece into position
20. (fig. A11 &A12) using the pre drilled holes in the hinge and 3 x 25mm screws. Repeat with the other hinge. And close the hinges together.

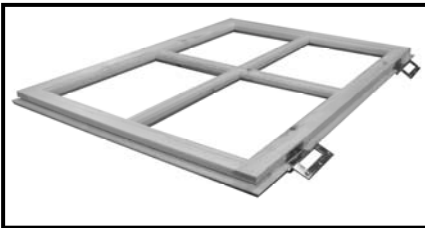


Fig A11– STYLE MAY VARY

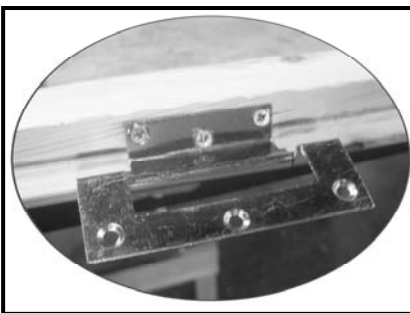


Fig A12

22. Place the window into the aperture (fig A13) **ensure that part WD** (FIG A13) is against the hinges (TOP HUNG)**or** against the **WC** (side hung) .
23. Secure the window to the panel using 3x 25mm screws per hinge, (fig. A14) again through the predrilled holes in the hinge.
24. Repeat.

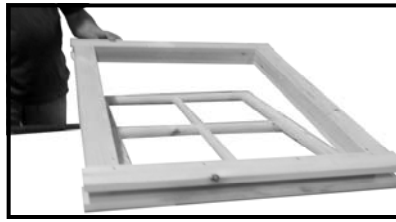


Fig A13



Fig A14

24. Open the window fully in order to fit a further 2x 25mm screws per hinge (Fig.A15).

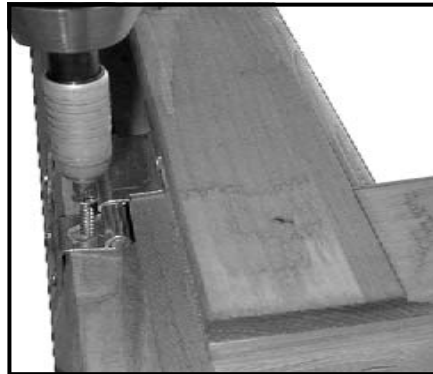


Fig A15

25. Fitting the draught excluder.
This must be done before fitting the casement stays.



Fig A16

26. Lay the assembled window unit with the opening insert downwards onto your work surface (Fig A16).
27. Position the draught strips so the rubber is against the opening insert and fix with 4x25mm oval nails per strip (Fig A16).
28. **Fitting the Casement Stays.** There are two per window. Place the casement stays evenly on the inside of the window (Fig A17) on top of the draught excluder.

29. Place the 2 pins under each casement stay. Position so that it is not resting on the window frame and not so high that the pins are of no use.

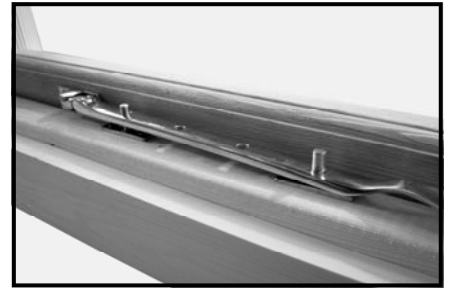


Fig A17

30. Fit the Casement Stay (fig A18) on the window using 2x 25mm screws.

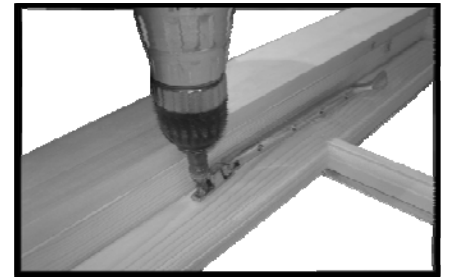


Fig A18

31. Mark where the 'pins' will be placed.

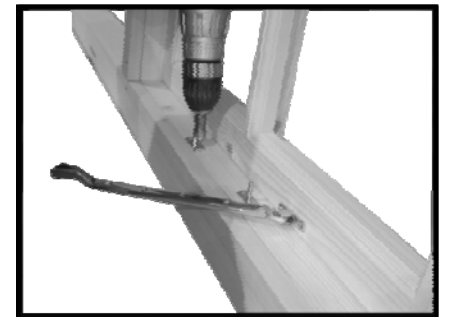


Fig A19

32. Secure into position using 4x 25mm screws - 2 in each pin.
33. **Drip bar.** Turn the window unit over so the opening insert is uppermost .



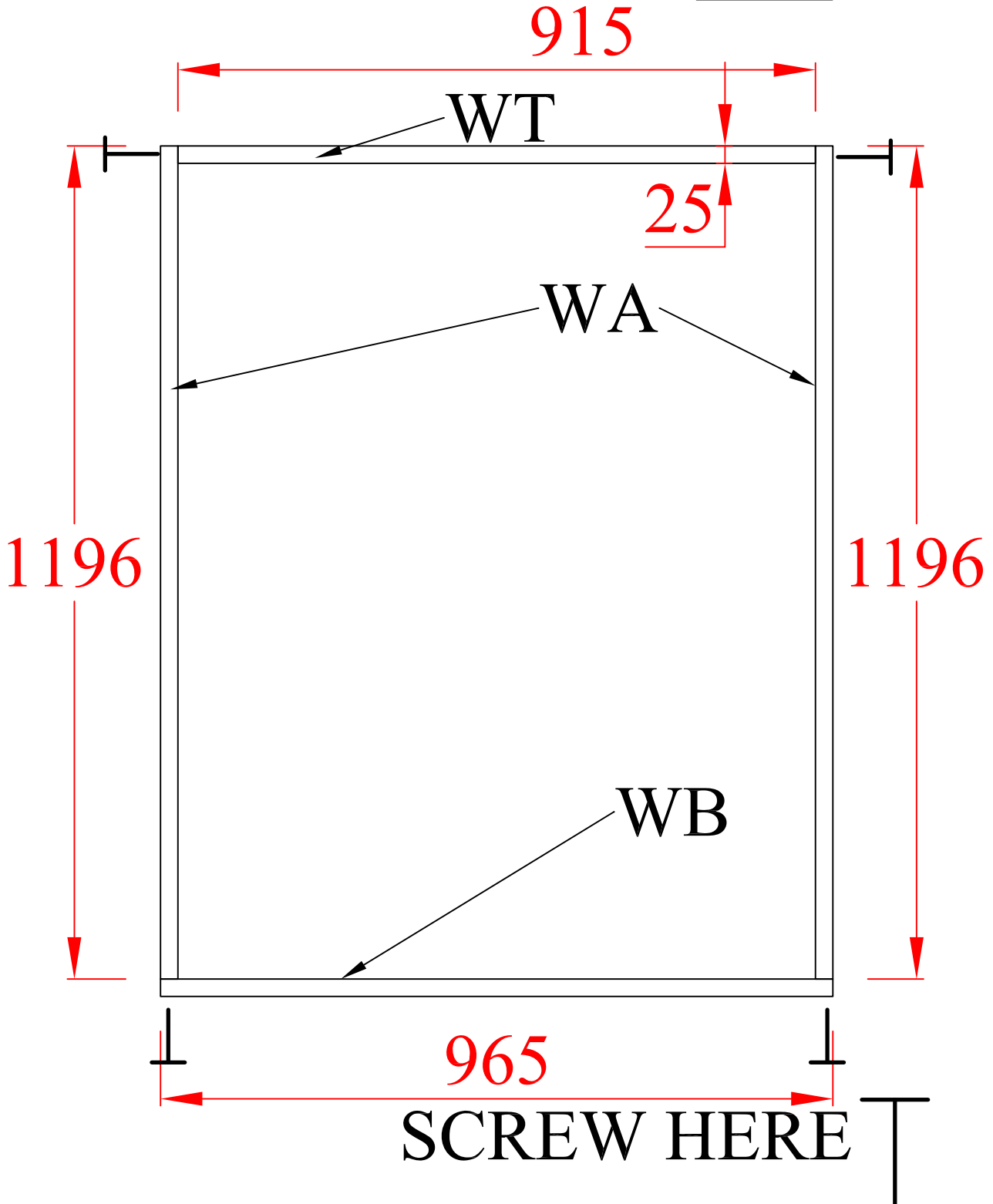
Fig A20

34. Position the drip bar the drip bar by measuring 45mm down from the top of the **WD** part above the hinges and fix the drip bar with 3x25mm screws. Repeat with the other window unit Put the completed units to one side until required .
- 35.
36. **Note** do not glaze until all parts have been treated and the units fitted in the building

W9S
WINDOW
-INNER FRAME
ASSEMBLY

Window
inner frame
WA, WB, WT
25xlog thickness

TOP



SHIRE

BUILT AROUND OUR REPUTATION

TOP

915-2	1204-2	rubber
1090		drip bar

WINDOW- OUTER FRAME ASSEMBLY

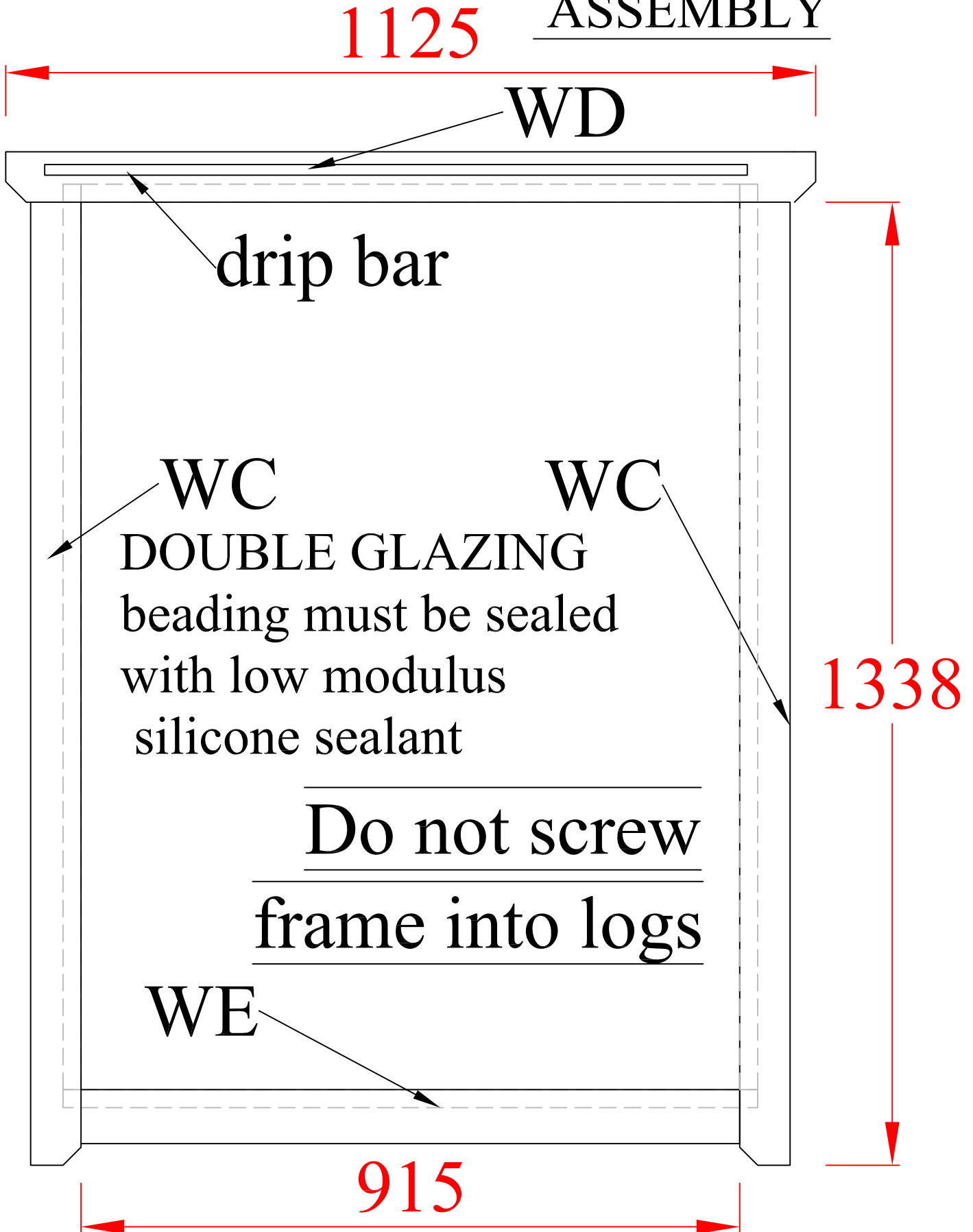
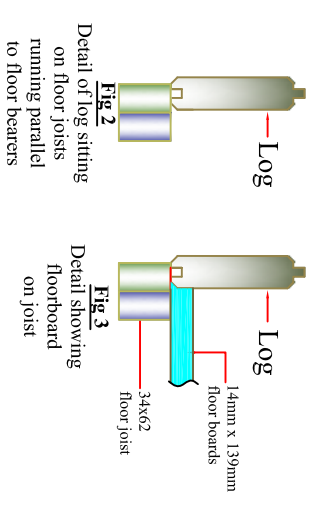
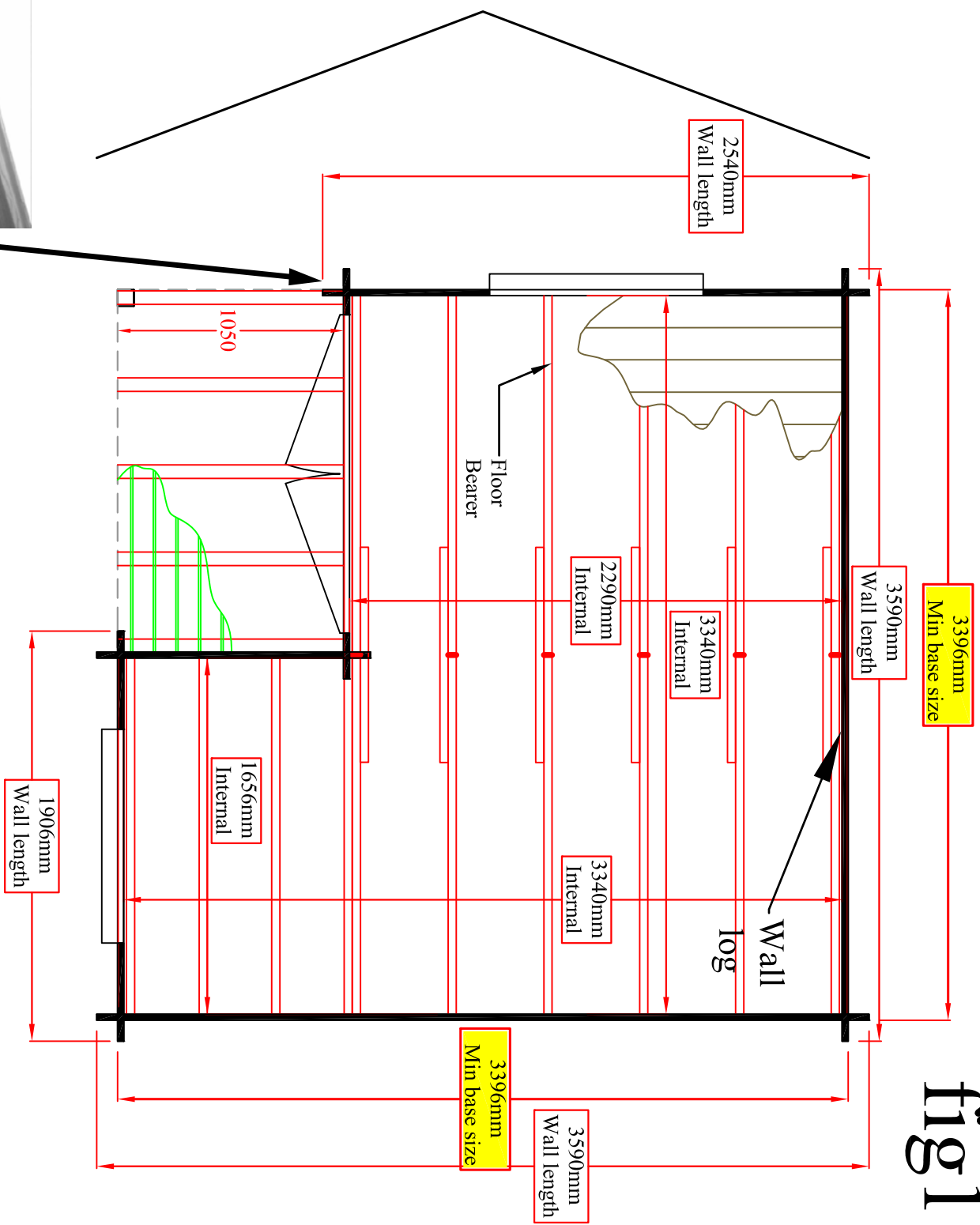


fig 1



3590x3590(12X12)
Ringwood + 2.5m Ridge
28mm log
FLOOR PLAN

Pressure treated
Floor joists 38x63
8X 3396 **OR**
16 x 1698 & 6 joiners
AND 4 x 1712
Floor boards
15 x 3340
14 x 2290
DECK

Pressure treated
joists 38x63
5@1050
Deck boards
8 x 1684

**Base details &
Floor bearer layout**
see page 2,3&4 for spacing

Front view

SHIRE

BUILT AROUND OUR REPUTATION

3590x3590(12X12)

Ringwood + 2.5m Ridge

28mm log

FRONT

Parts list

E x 5

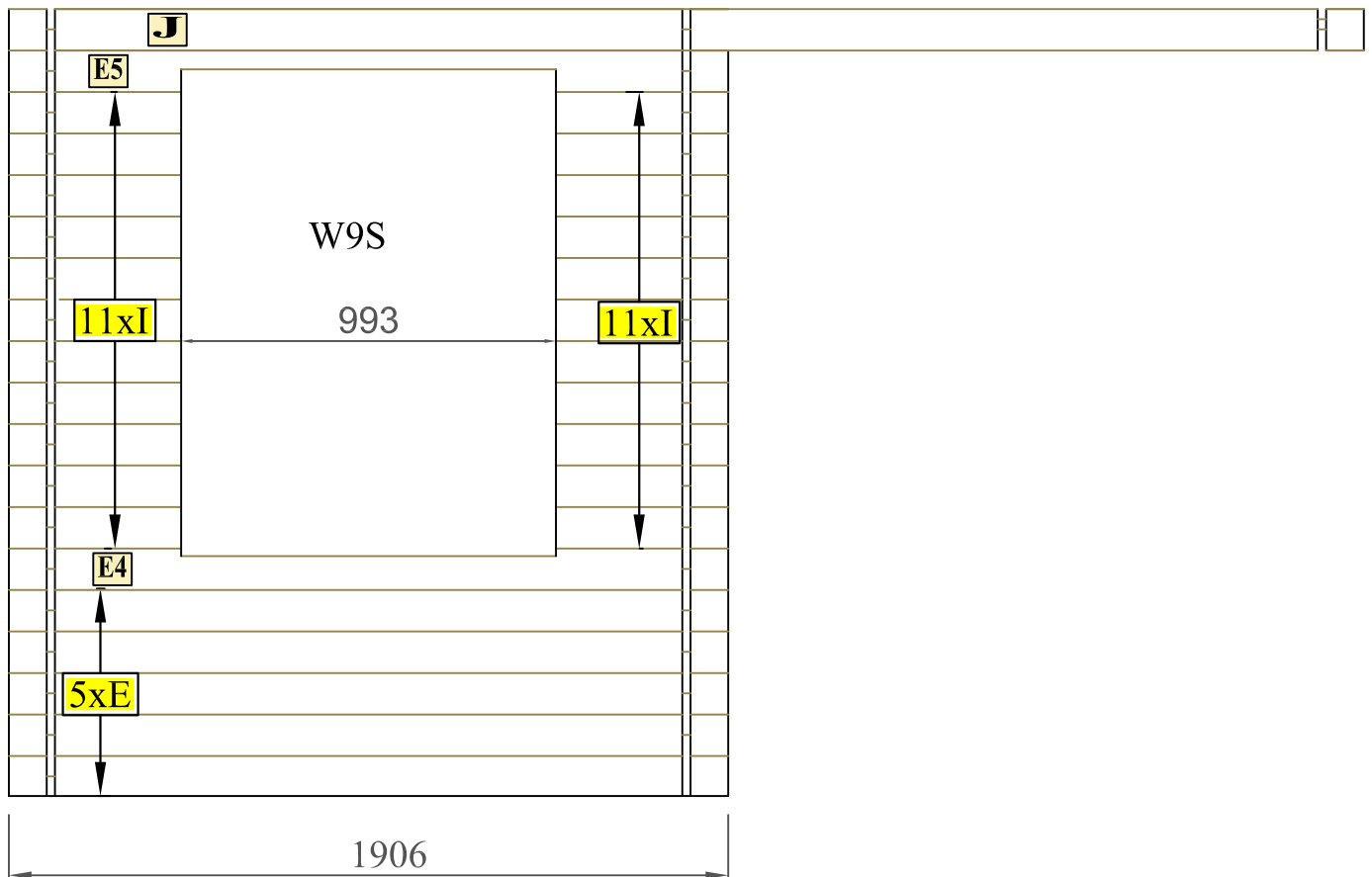
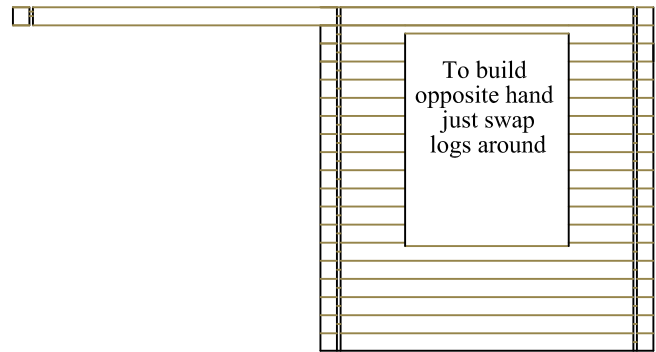
E4 x 1

E5 x 1

I x 22

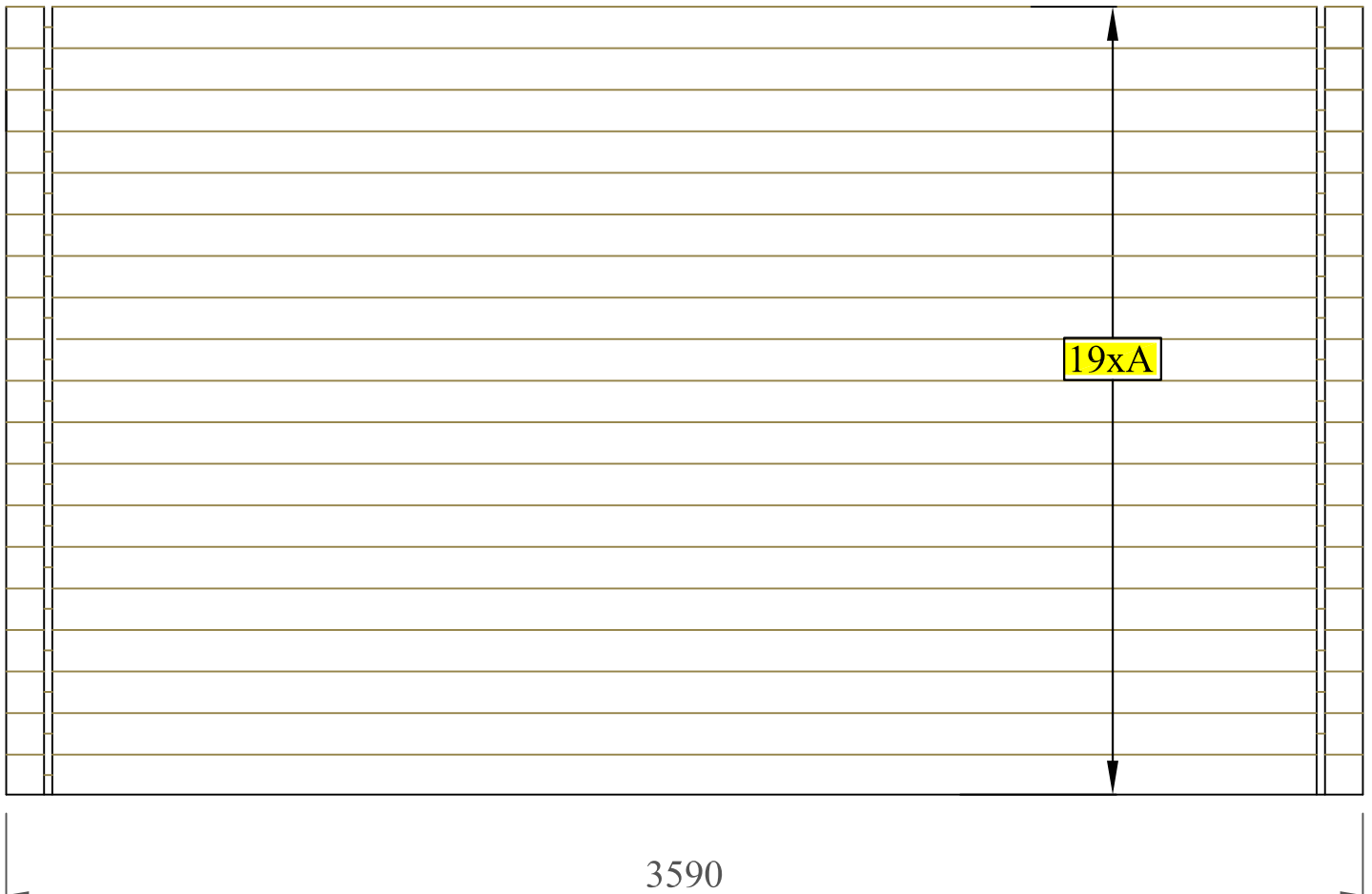
Jx1

page 2

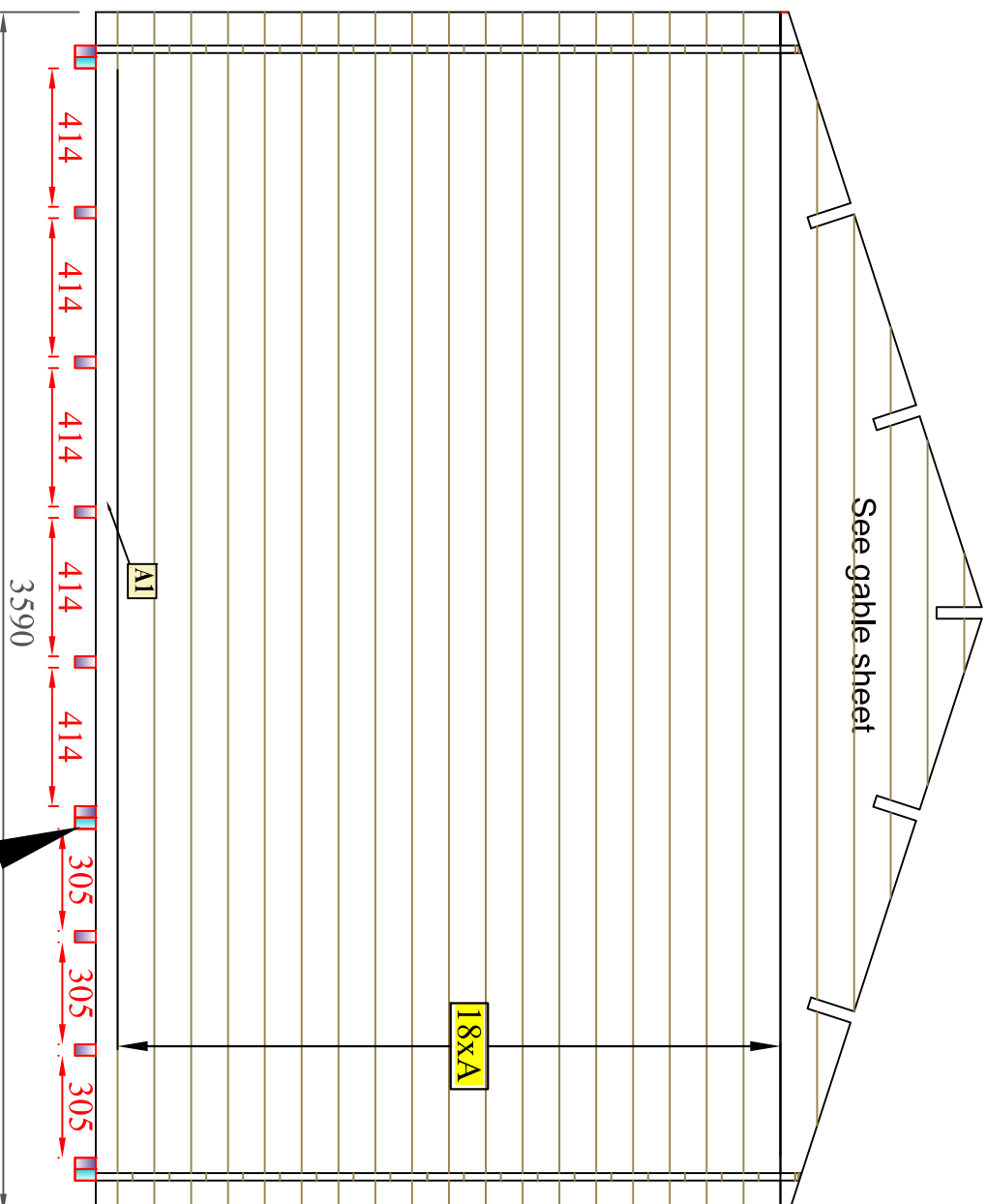


Back View

3590x3590(12X12)
Ringwood + 2.5m Ridge
28mm log
BACK
Parts list
A x 19



LH side view



bearer spacing

SHIRE

BUILT AROUND OUR REPUTATION

page 4

3590x3590(12X12)

Ringwood + 2.5m Ridge

28mm log

LH END

Parts list

A x 18

A1 x 1

RH Side view

3590x3590(12X12)

Ringwood + 2.5m Ridge

28mm log

RH END

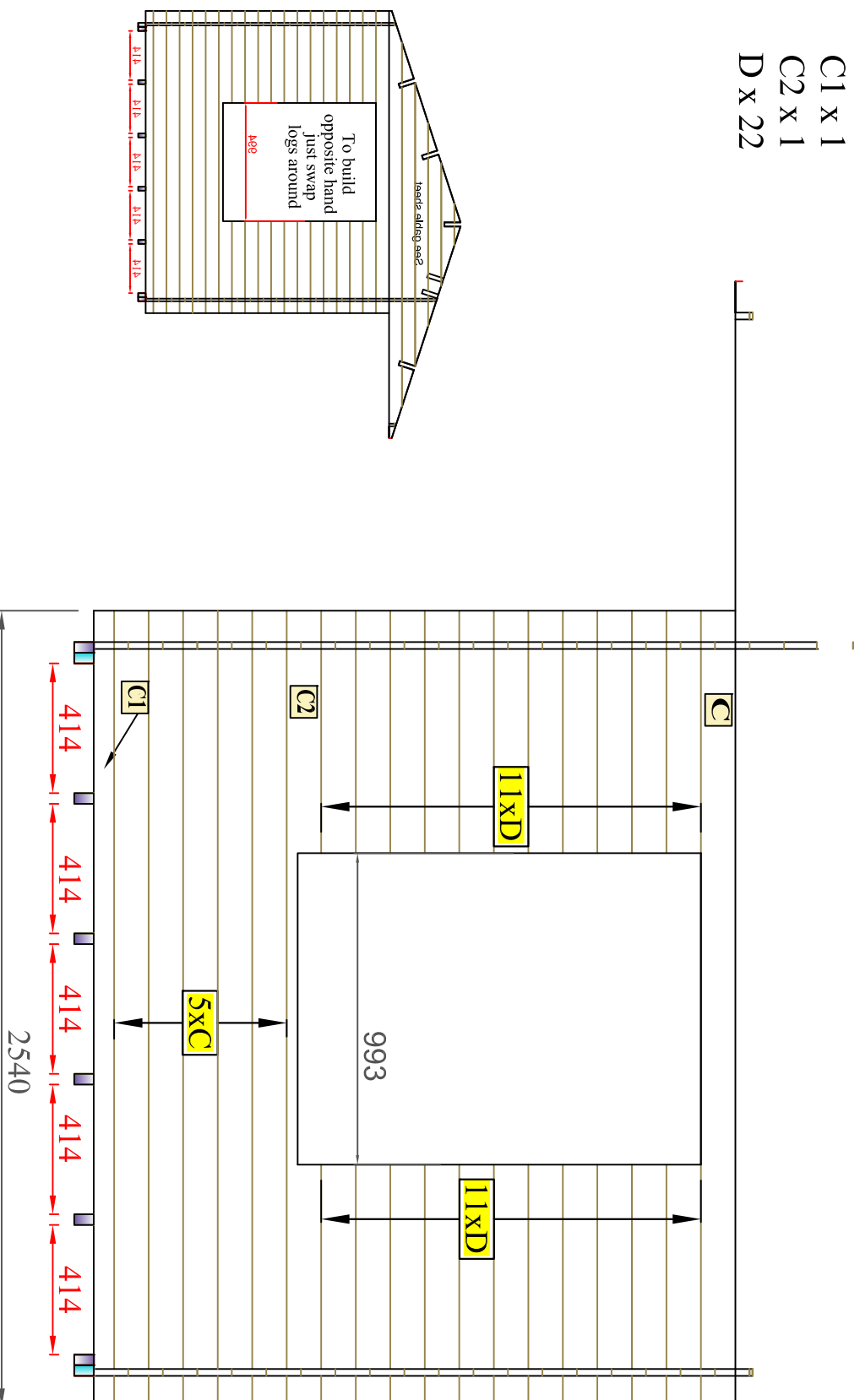
Parts list

C x 6

C1 x 1

C2 x 1

D x 22



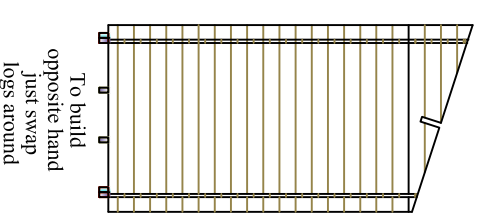
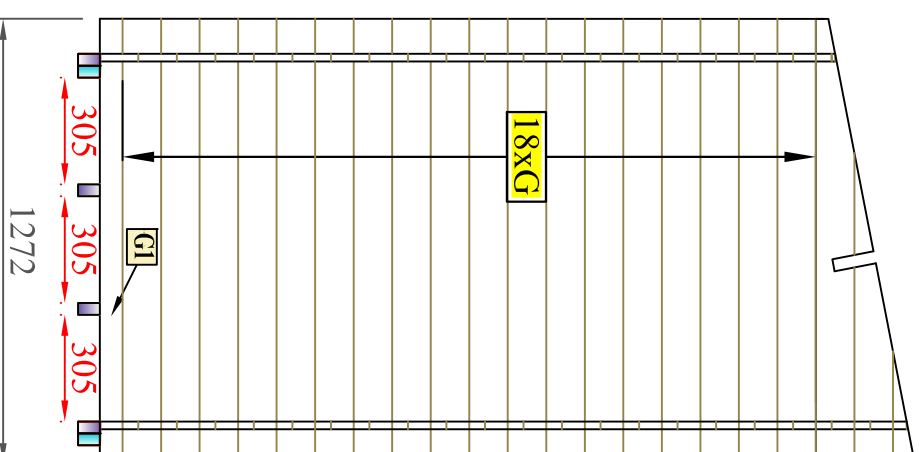
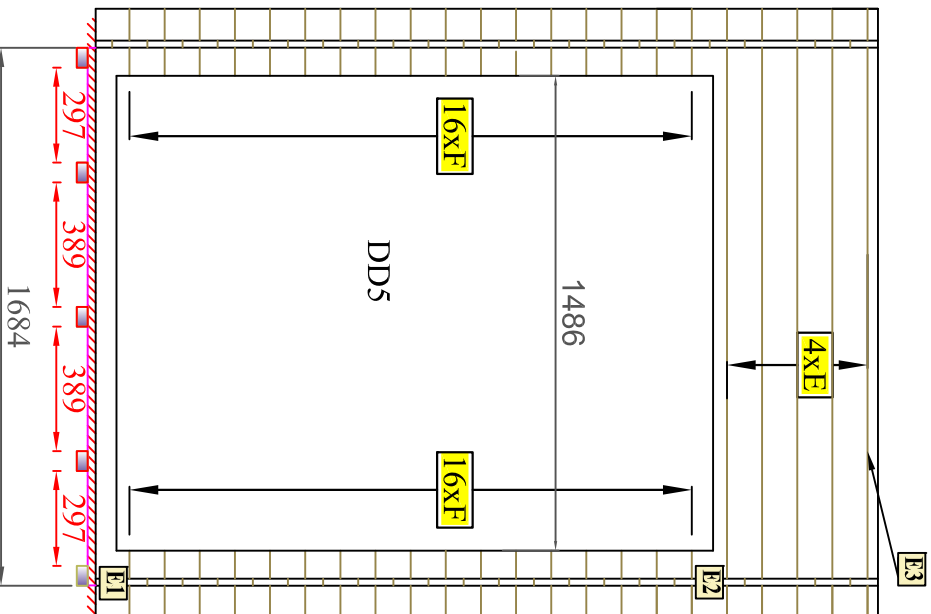
Sm rh end view & door panel

3590x3590(12X12)
Ringwood + 2.5m Ridge

DOOR PANEL
Parts list

- E x 4
- E1 x 1
- E2 x 1
- E3 x 1
- F x 32

Deck fits in front of panel
not underneath



3590x3590(12X12)
Ringwood + 2.5m Ridge

SM RH END
Parts list

- G x 18
- G1 x 1

SHIRE

BUILT AROUND OUR REPUTATION

page 7

3590x3590(12X12)

Ringwood + 2.5m Ridge

28mm log

ROOF ASSY

Parts list

Roof bearers

4@ 2 notches

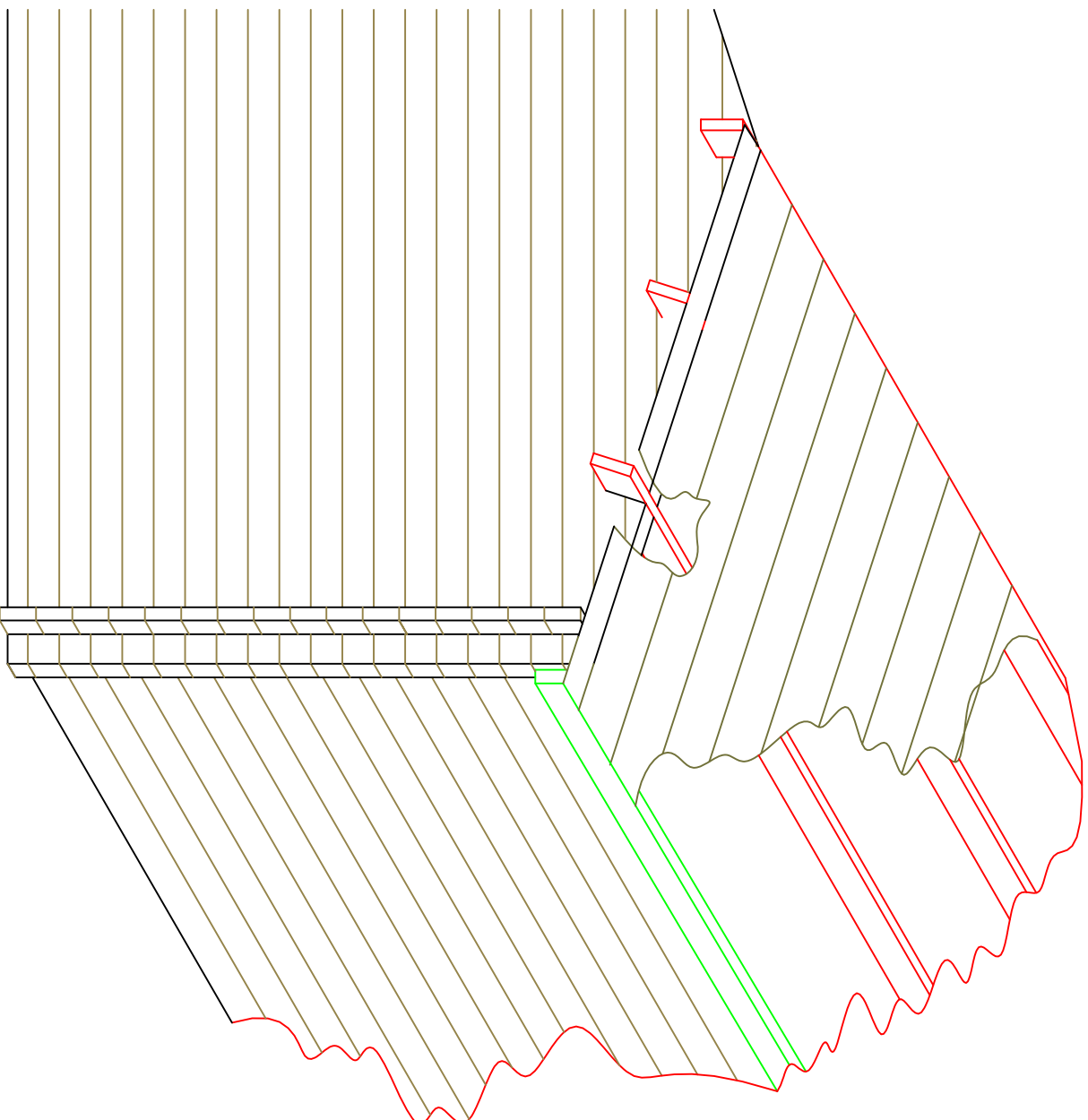
1@ 3 notches

**2 Angled eaves
edging strips**

2 Roof edgings

52 Roof boards

1930 Long



Roof Materials

PRODUCTION SHEET

Building: **Ringwood**
 Building Size: **3590x3590 (12x12)**
 Date: **02-Aug-12**

LOG 28mm log MM

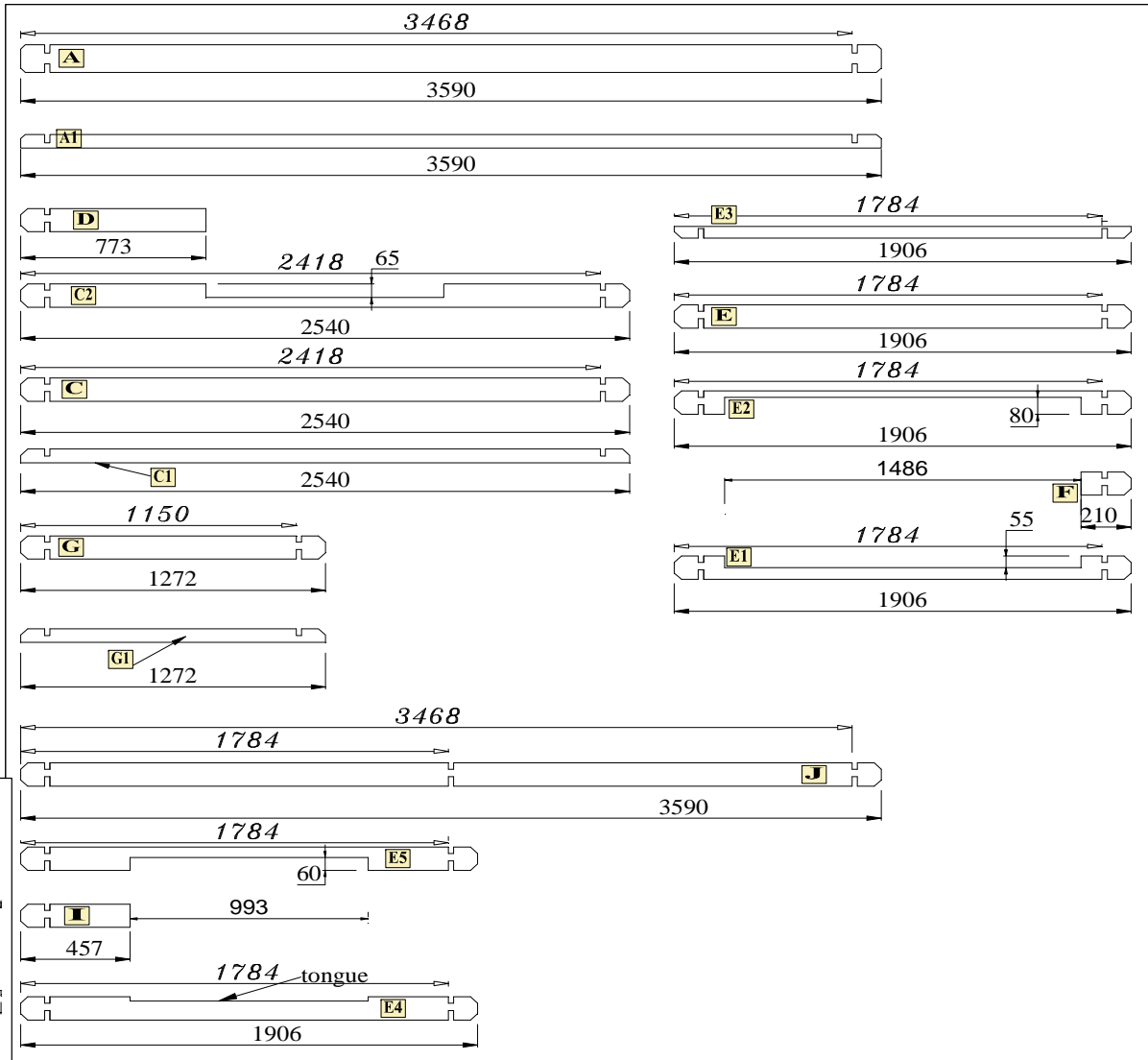
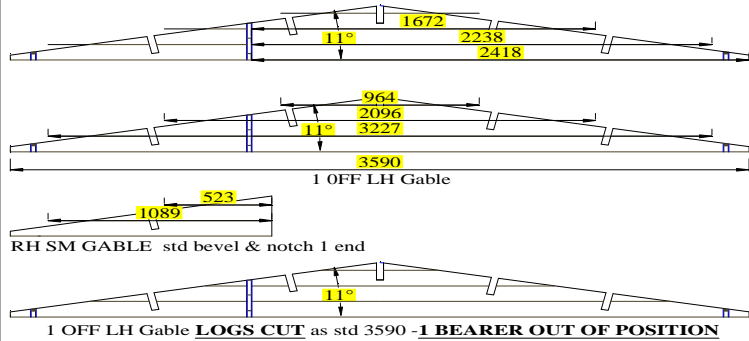
Agent: **0**
 Customer: **0**
 Job No **XJ**

Log	Length	Quantity
A	3590	37
A1	3590	1
C	2540	6
C1	2540	1
C2	2540	1
D	773	22
E	1906	9
E1	1906	1
E2	1906	1
E3	1906	1
E4	1906	1
E5	1906	1
F	210	32
G	1272	18
G1	1272	1
I	457	22
J	3590	1
SPARE LOGS		
A	3590	3
C	2540	2
0	0	0

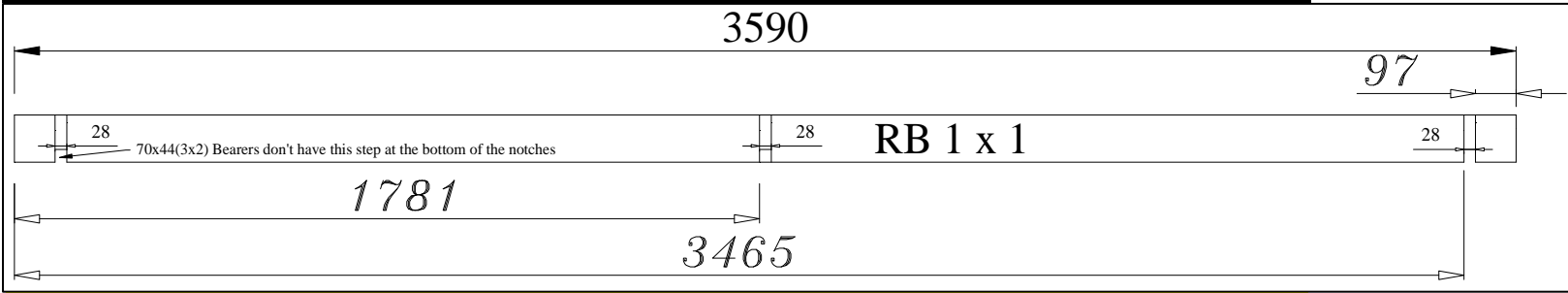
120x40 roof JOISTS

5	QTY	3590	length
---	-----	------	--------

1930 ROOF B 5 BEAR
 11° angle on fascia + edgings



Building:	Ringwood
Building Size:	3590x3590 (12x12)
LOG	28mm log
Date:	02-Aug-12
JOB NO	XJ
AGENT	0
LENGTH	See Below
ROOF BEARERS	See Below



120x40 JOISTS

