



Woodies Fire Recovery Project

Woodies have received funding to construct a series of storage units to be donated to families who have lost their houses and are currently living in very temporary accommodation in the Quaama/Cobargo hinterland.

These units are simple to assemble from a sheet of 15mm ply and half a sheet of 4mm hardwood bracing ply as backing. They will contain 8 sealable boxes holding up to 260l. of airtight and rat proof contents.

We are having the 'kits' cut to size at Ray's Joinery, Upper St., Bega- ph64 921010
Please let Don Firth know how many kits you would like to make -ph 0410404041.

It is hoped that we can "join together!" To make this project happen. We are already in the process of making **128 out of 155 units**. May I suggest attempting 2 or more at a time as subsequent ones happen so much more easily. Know anyone who could become an elf?

Instructions for assembly

1. Sand main sheet surfaces with 180/240 grit. *Should only require very light sanding.*
2. Select 2 sheets (1180 x 397) for sides and round off one corner on each. Use pizza tray/plate etc. approx. diameter 200-250mm. Save and finisher/sand offcuts for gussets.
3. Use middle shelf supports to set up layout for drilling pilot holes through sides. 5 3mm holes per shelf. Ideally drill holes on drill press for accuracy of angle and countersink holes on outsides of side sheets. NB Do not rebate the shelves into the sides as this will not leave enough shelf width for boxes. *Outer holes must be 40mm in from edge.*



4. Drill 3 holes in centre of each shelf and countersink top sides. If shelf is bowed countersink top edge.

Assembly

5. Fit the 3 shelves to 1 end using the supports as spacers, having aligned the short bottom support to the bottom of the end piece. Preassemble dry and drill into the shelves before final gluing. Check for assembly at right angles! (accurate machine precutting should help this)
N.B. Make sure countersinks are on top of shelves... and both side curves are to front of cabinet, and **best shelf edge is to front. (also best ply to top front as it may not be hidden by boxes.**



6. Attach other side as per first. Again, use the shelf supports for accurate spacing.



7. Starting with shorter bottom support, fit supports to shelves. Again, dry fit and drill prior to gluing. Use scrap to ensure accurate alignment and wedge shelves apart to reduce glue 'trail'. Ideally clamp together prior to screwing *to ensure accuracy of placement.*



8. Glue and fit the bottom gussets. Glue should suffice, or you could tack/screw into place. **Mount flush so 10l boxes can fit under as an option.** Go and have a cuppa while the glue dries.

9. Turn unit on to front and check fit then glue and tack 4mm hardwood ply to back (I did 100mm centres). If cabinet is slightly bowed, it can be pulled square etc. by tacking centre of sides first, then pulling corners to fit.

Don't forget to tack the backs of the shelf supports as they are only glued on the bottom edges.

When dry trim and sand edges as required.



10. Sand all exposed ply edging, dilute bondcrete 1:3 and (re)seal all edges and bottom of unit. **Screw/nail hardwood rails bottom of uprights.** If you wish to, you can seal the whole unit- easiest done pre assembly. *Add 15x8mm hardwood rails to uprights if supplied/ you make them. Sand all exposed edges on front of unit and fill as required.*

11. With glass of... 'mineral water' in hand, stand back and admire! Well done and on behalf of the Quaama Relief centre, many thanks.

12. Somehow, I will get the finished products from you to 'them'. *Or, ideally you deliver to Quaama Relief Centre or as directed- Contact me for details.*

Kit List

5 off 15mm ply **397 x 1180**- shelves and sides are same size

2 off 15mm ply **397 x 397**- mid supports, run grain vertically

1 off 15mm ply **150 x 397**- bottom support

1 Off 4mm ply ~**1213 x 1170**- for back. *Mount flush with top of sides. This lifts the 4mm ply off the ground if no hardwood runners.*

(2 gussets of 15mm ply if req, *or saved from rounding sides.*)

40 chipboard screws 45mm 8/10

Bunch of tacks (or staple gun)

Bondcrete (or glue) on request

Printed copy of these instructions available on request

you will need to have..

3mm Drill bit, 'Phillips' head driver and drill

Small paint brush

Square

Hammer

jigsaw to round off top corners. (save offcuts for gussets)

Sandpaper 180/240 and ?orbital sander **to round off coving/ front edges etc.**

Allen key (just kidding!)

Notes...

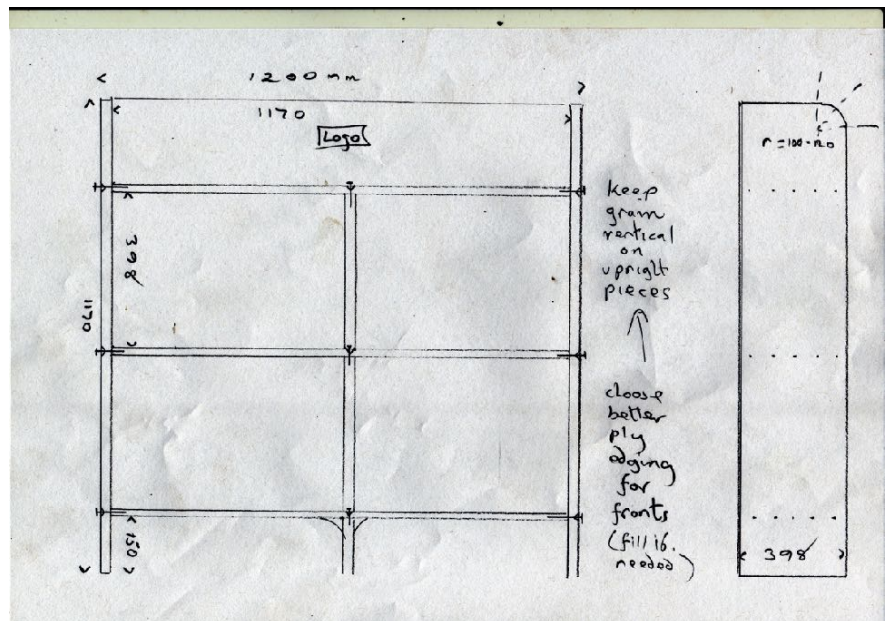
You can choose to vary these instructions, but the critical dimension is the width of the shelf spaces to fit the boxes.

You could...

-If not using hardwood rails please seal bottom edges that may contact wet ground.

-Leave out mid bottom support if you are worried about rocking on uneven ground- though better to make **middle bottom hardwood runner slightly thinner**- I find that with shelves slightly bowed up the mid 'leg' is slightly elevated anyway.

- add support gussets to ends of shelves- I consider the units adequately robust with gluing and screwing.
- add stiffening rail to inside top of ply.**
- seal/paint/varnish whole of unit etc. I'd rather you make more units but dilute sealer!



(NB measurements in current kit list are correct- changes to fit alternative tubs.)

Logo could be mounted on outer top side of unit. Glue or 15mm panhead screw.

Prepared by Don Firth- Elf Herder. Version 3 2/5/2020
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