

RYOBI

DOG HOUSE: BRONZE LEVEL





PROJECT CENTRE

BRONZE LEVEL

Dog House

CUTTING LIST

Item	Material	Size L x W x T	No.
Base	12mm CD plywood	1200 x 875	1
Sides	12mm CD plywood	715 x 850	2
Gable ends	12mm CD plywood	1000 x 1200	2
Roof panels	12mm CD plywood	1100 x 260	6
Awning	12mm CD plywood	620 x 150 (80)	2
Ridge	Pine DAR	810 x 42 x 19	1
Internal cleats	Pine DAR	850 x 42 x 19	2
	Pine DAR	1135 x 42 x 19	1
	Pine DAR	650 x 42 x 19	4
Roof cleats	Pine DAR	630 x 42 x 19	4
Awning cleats	Pine DAR	630 x 42 x 19	2

MATERIAL LIST AND COSTING

Material	Size (mm)	No.	Unit Cost	Total Cost
CD plywood	2400 x 1200 x 12	3	\$46.00	\$138.00
DAR pine	3000 x 42 x 19	4	\$3.42	\$13.68
Dowel	1800 x 12.5	1	\$4.75	\$4.75
Galvanised vents	230 x 150	2	\$4.10	\$8.20
Galvanised wood screws	28 x 8g	100	\$6.20	\$6.20
	40 x 8g	100	\$6.90	\$6.90
	12 x 6g	100	\$4.60	\$4.60

TOOL LIST

- PPE (Personal Protective Equipment)
- Drill
- 5mm drill bit
- Circular saw
- Combination square
- 2 clamps
- Router
- Jigsaw
- Reciprocating saw
- Planer
- Tape measure

INTRODUCTION

Unfortunately for staffies Zoe and Brim, their lease on the laundry of the family home had run out and was time to move into a new residence! After a short family meeting it was agreed that they both would be happy to share the same house, but insisted they have their own entry door! **Approx \$180.00**

STEP-BY-STEP INSTRUCTIONS

1.



Gable end

Mark out the gable ends (see Diagram 1). Measure the distance from the saw blade to the outer edge of the base plate (100mm). Securely clamp a straightedge parallel to the set-out line. Carefully guide the saw along the edge. Repeat this process for the opposite gable end.

2.



Door openings

Use a jigsaw to cut the door openings. Tip: Drill a 10mm starter hole in both corners of the door opening to start and finish the jigsaw cut. Round over all cut edges with a trimmer or router fitted with a 5mm round over bit.

3.



Fixing cleats

Glue and screw the fixing cleats to the inside of the sides, ensuring the edges are flush. Three 28 x 8g screws in each piece will do the trick.

4.



Assembly

Glue and screw fixing cleats along the bottom inside edge of the front gable (between the openings) and along the bottom edge of the back gable. Screw (no glue*) through the front gable piece into the fixing cleat attached to the side. Repeat the process for the back gable. Attach bottom.

5.



Planing

The protruding square edge of the side panels will hinder the roof panels. This is best removed with a plane or circular saw, either powered or hand. Tip: Planing in towards the centre from both sides will avoid “blowing out” the face of the gable ends.

6.



Roof support

Glue and screw some fixing cleats to the inside face of each gable. The angle of the ridge (peak of roof) needs to be bisected (halved) and may be cut on a mitre saw or by hand. It may also be left square short of the ridge - Zoe and Brim won't tell anyone!

7.



Ridge support

Bevel the top edge of the ridge in both directions to correspond with the roof pitch. This beveling is safely done by using a planer, with the piece securely clamped in a vice. Attach the ridge by screwing through the gable end with one 40mm x 8g screw. (No glue*)

8.



Roofing

Begin by screwing the first roof panel to the gable ends. (Work from the bottom up to the ridge.) The overlap then next panel and screw through both pieces. 40mm x 8 galvanised screws are used. Repeat this process for the opposite side.

9.



Waterproofing

A small gap is formed where the square edges of the roof panels meet at the ridge. Squeeze a bead of paintable silicone onto both edges, cut a length of 12.5mm dowel to the same length as the roof panels and bed it firmly into the silicone. Clean off excess silicone.

10.



Provide some shade

Glue and screw (28 x 8g) the awning cleats to the front panel just above the door openings. Glue and screw the awning roof panels to the cleats. I decided to bevel these roof panels as a design feature. This was done with a jigsaw. Then round off the edges with a trimmer.

11.



Venting

Mark the central position of the vent and the cut-out size. Drill a 10mm starter hole in each corner and cut out using a recip saw. Install another vent on the back gable end. Attach with 12mm x 6g pan head self-tapping screws.

12.



Finishing

I reckon my new mates Zoe and Brim will love their new residence! Apply two coats of your favourite colour of exterior paint and set it down on a couple of bricks in a nice cool shady spot. The owners are now happy to have their laundry back!

*Gluing the assembly process will not allow for any future disassembly. This may be required for transportation purposes or even getting down the side of the house.

