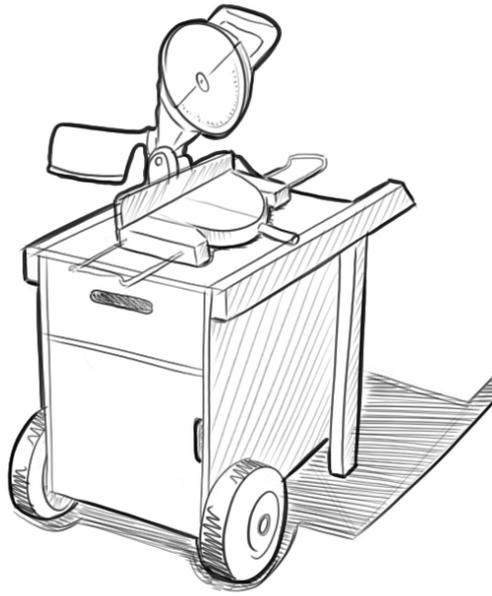


DRAWINGS TO MAKE YOUR OWN:

WILDEBEEST WORKSHOP



The Wildebeest Workshop is a family of roving woodwork wagons, built to inspire makers to roam the land, tinker, share and create together. The plans are offered free so the family can grow...build your own, customise, and share your creature!

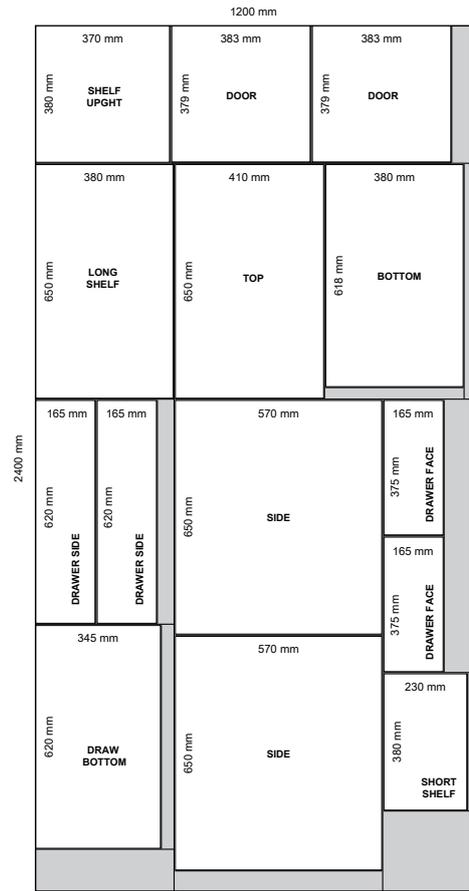


Please share a pic of your creature:
#wildebeestworkshop

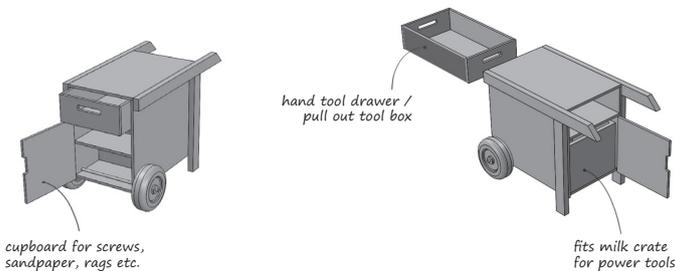


PANEL CUTTING LAYOUT

Based on a 1200 x 2400 sheet of ply. With 4mm blade thickness.
Use the leftovers to add extra compartments or drawer dividers



WILDEBEEST WORKSHOP - FEATURES



cupboard for screws, sandpaper, rags etc.

hand tool drawer / pull out tool box

fits milk crate for power tools

wheel by hand locally, or pop them in a van for projects further away.

GETTING STARTED:

These are plans for a fairly basic wagon, but feel free to pimp it as you wish.

Ordering timber:

Body - 15mm plywood. All pieces fit nicely onto 1 sheet of plywood. If you're going to cut them yourself with a table / circular saw there is a suggested cutting layout above. Alternatively you can provide the cutting list to a plywood supplier and they will cut them for you.

Handles and Legs - You will need approx. 3.5m of timber (70 x 35 typical construction pine)

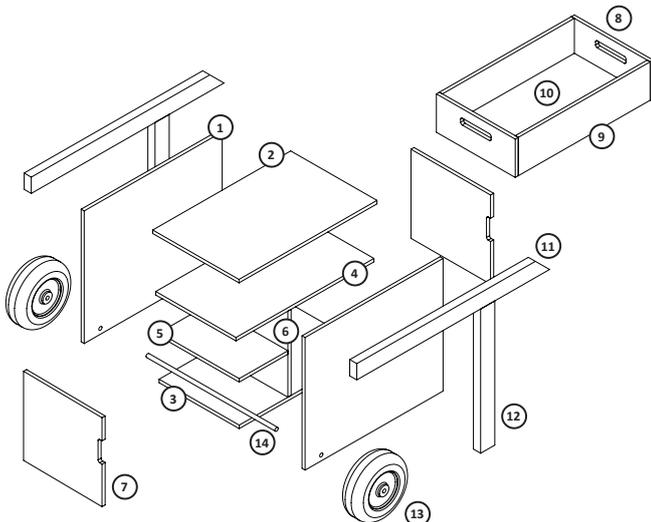
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The design is free to distribute and customise, but not for commercial uses, when used please attribute the Wildebeest Workshop.
Designed by Tasman Munro - www.tasmanmunrodesign.com



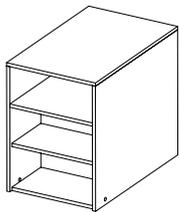
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PART LIST

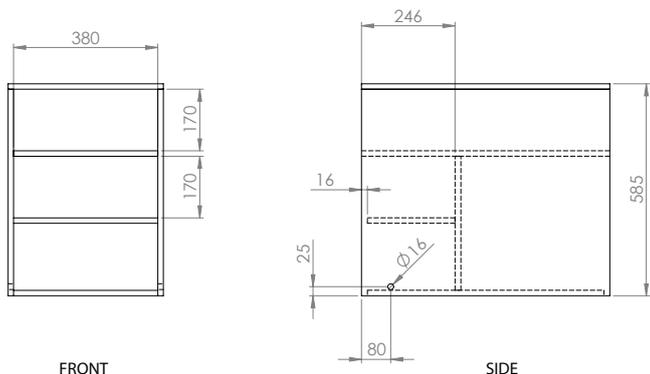
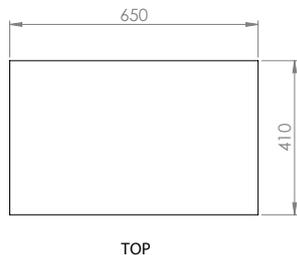
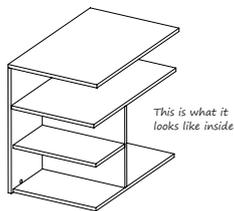


PART #	NAME	DIMENSIONS	QTY
1	SIDES	650 X 570 X 15	2
2	TOP	650 X 410 X 15	1
3	BOTTOM	618 X 380 X 15	1
4	LONG SHELF	650 X 380 X 15	1
5	SHORT SHELF	380 X 230 X 15	1
6	SHELF UPRIGHT	380 X 370 X 15	1
7	DOOR	379 X 383 X 15	2
8	DRAWER FACE	375 X 165 X 15	2
9	DRAWER SIDE	620 X 165 X 15	2
10	DRAWER BOTTOM	620 X 345 X 15	1
11	HANDLE	35 X 70 X 950	2
12	LEG	35 X 70 X 620	2
ADDITIONAL BITS AND BOBS			
13	WHEELS	265mm Trolley Wheels: ie 'Ambassador Metal 3.5 x 4 inch' from Bunnings.	4
14	AXLE	M16 (16MM) Threaded rod. Cut to 550mm length	1
	NUTS AND WASHERS	M16 to fit each end of axle	2
	FASTENERS	40mm chipboard screws	100
	HINGES	50mm butt hinge	4
	MAGNET LATCH		2
	SLIDE BOLT		2



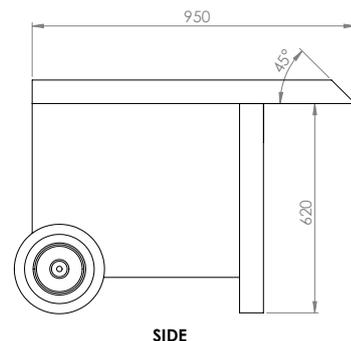
1. ASSEMBLE MAIN BODY

- Once all pieces are cut assemble the main body, using PVA and screws. Pre-drill pilot holes for all screws to prevent the ply from splitting.
- Begin by fixing the two sides to the bottom (16mm indent at each end).
 - Then the internal shelves and upright.
 - Then the top.
 - Drill 2 x 16mm holes in the sides for the wheel axle (you'll need a spade drill bit), make sure you put the holes at the right end of the box.



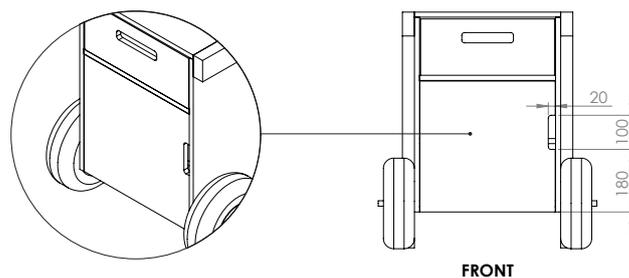
2. ATTACH HANDLES AND LEGS

- Cut a 45 degree angle on one end of the handles.
- Position the handles flush with the top and front surface of the main body.
- Fasten with PVA and screws, screw from the inside of main body out into the handles. Pop in at least 6 screws per handle - they need to carry weight!
- Position legs flush with back surface of the main body, fix with PVA and screw from the inside.



3. ATTACH WHEELS

- Turn the whole thing upside down.
- Cut the axle to length with a hacksaw.
- Feed the axle through holes in main body.
- Place a washer on each end of the rod.
- Place a wheel on each end of the rod.
- Secure with nuts.



4. ATTACH DOORS

- Cut handle by drilling 2 x 8mm holes and cutting between them with a jigsaw. Clean up with rasp. An easier option is to buy screw on handles.
- Screw 2 hinges to each door, align the door with the bottom surface of the main body and then screw hinges to the body. The easiest option is to attach the hinges to the front surface of the door and edge of the side panels, but a nicer option is to rebate them into the edge of the door.

8. BUY YOUR TOOLS!

Your workshop tool selection is for you to decide, but this list of handy basics should get you through most DIY projects:

Power tools:

- Drop saw (screwed to top surface of wagon)
- Cordless drill and impact driver (good to have both)
- Circular saw
- Jigsaw
- Sander

Hand Tools:

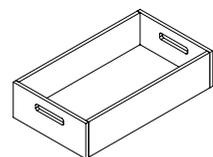
- Measuring tape
- Set square
- Hand saw (short enough to fit in tool drawer)
- Hacksaw
- Hammer
- Chisel
- File/rasp
- Pliers (flat and point nose)
- Tin snips
- Plane
- Shifter
- Screwdrivers
- Clamps
- Stanley knife

Fasteners:

- PVA glue
- A bunch of screws in different lengths
- Bugle button screws are great when heavier fittings are needed (make sure to pick up a hex head driver)

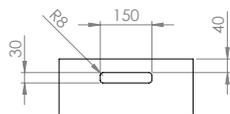
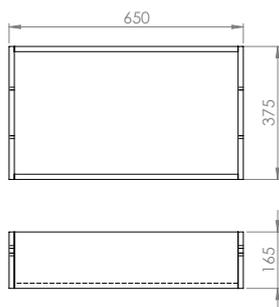
Extras

- Drill bits (buy the best you can afford, and a spare set of smaller ones)
- Drill driver bits (phillips head, square and hex)
- Replacement jigsaw blades and sanding pads
- Replacement hacksaw blades
- Sandpaper in a range of grades
- Pencils
- Safety gear (goggles, muffs, mask)
- Extension cord and power board



5. ASSEMBLE THE TOOL DRAWER

- Cut handle by drilling 4 x 8mm holes and cutting between them with a jigsaw. Clean up with rasp. An easier option is to buy screw on handles.
- Fasten the drawer sides to the drawer base using PVA and screws
- Fasten the two drawer faces using PVA and screws



6. ATTACH LATCHES

- Attach magnetic latches to prevent doors from opening during transportation. Fix the magnets in the top corners of the cupboards and then fix the metal plates to the inside of the doors.
- The drawer will need a slide bolt lock to prevent it from falling out during transport.
- You may want to use padlock latches instead if you'd like to lock your tools away.



7. CUSTOMISE

- Clean and sand. If you want to add a little magic try painting the outside or clad it with some interesting recycled timber (or even better, make it from recycled timber in the first place).
- You may want to add components or change the design to better suit your tools. Some ideas:
 - » Add dividers in the tool drawer.
 - » Add a compartment for scrap sandpaper or rags.
 - » Make a slide out table (above drawer) to support longer lengths of timber when cutting.
 - » Add fold out tables on the sides to increase bench space.
 - » Have a different tool on top.

9. SEND ME A PHOTO!

I'd love to see pictures of your wagon, especially if they get out and about.

Hashtag pictures [#wildebeestworkshop](#) or email them to: info@tasmanmunrodesign.com